

How To Grow 10-lb. Monster Plants

HIGH TIMES

March 434

Indoor Boom!

Your Guide to Growing at Home

Mel Frank on Bud Breeding

Create Your Own Strains

Feds vs. Meds

New Battles To Be Won

Doomsday 2012

Stayin' High The Mayan Way



Marijuana in Motown

Michigan Rolls Up Its Top Pot

Yippies on Wall Street

It's Déjà Vu All Over Again

Super Healing Ganja

Cannatonic X



Free branded seeds with every order purchased



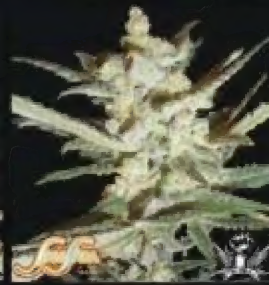
WORLD OF SEEDS
Northern L



WORLD OF SEEDS
Afghan Ku



DELICIOUS SEEDS
Cotton



SAMSARA SEEDS
SuperSonic



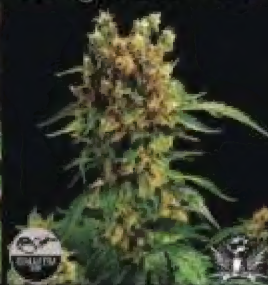
ROYAL QUEEN
Auto North



ROYAL QUEEN
Amensia



CALI CONNECTION
Tahoe



DINAFEM SEEDS
Californi



SERIOUS SEEDS
Ak4



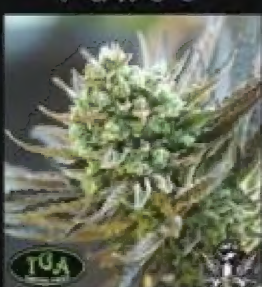
CALI CONNECTION
Deadhea



TH SEEDS
Cold Cre



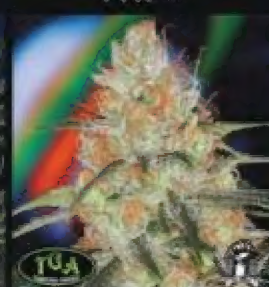
TH SEEDS
MK U



TGA SUBCOOL
Time V



TGA SUBCOOL
Jack th



TGA SUBCOOL
Vor



CONNOISEUR GENETICS
Grandaddy



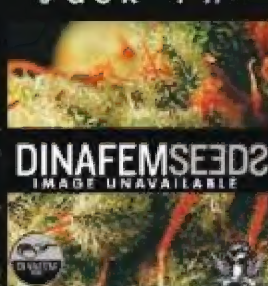
G13 LABS
Pineappl



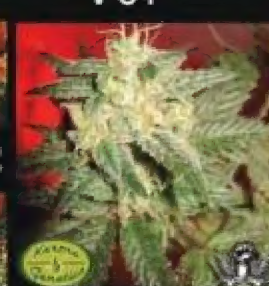
DUTCH PASSION
Blue



DINAFEM SEEDS
Crit



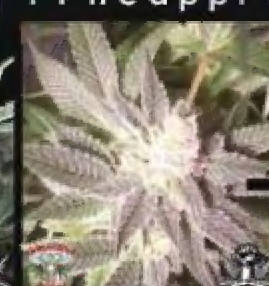
DINAFEM SEEDS
OG K



KARMA GENETICS
Domi n



GAGE GREEN
Grape S



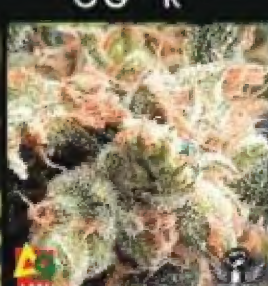
HAZEMAN SEEDS
Tripl



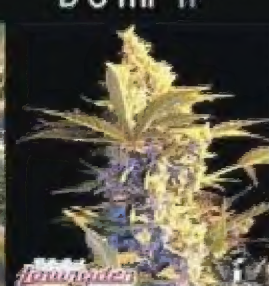
CANNAVENTURE
Purple



CONNOISEUR GENETICS
Purple



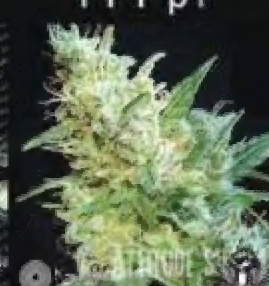
DELTA 9
Cannas



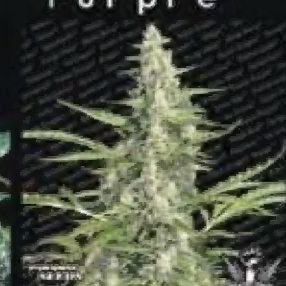
LOWRYDER
Easy



PARADISE SEEDS
Sensi



KANNABIA SEEDS
Bcn D



PARADISE SEEDS
Pand

WWW.THEATTITUDESEEDBANK.COM

01473 724698 INT: 0044 1473724698 INT: 011 44 1473724698

YOU HAVE TO BE AT LEAST 18 YEARS OLD TO ORDER CANNABIS SEEDS FROM THE ATTITUDE SEED BANK.
IT IS AN OFFENCE TO CULTIVATE ANY PLANT OF THE GENUS CANNABIS IN MOST OF THE WORLD WITHOUT A LICENCE FROM THE SECRETARY OF STATE.
ANYONE COMMITTING AN OFFENCE CONTRARY TO THIS SECTION MAY BE IMPRISONED OR FINED, OR BOTH.
SEEDS ARE SOLD AS SOUVENIRS ONLY, OR FOR THE PRESERVATION OF GENETICS OR INCASE LAWS MAY CHANGE. IT IS RESPONSIBILITY TO CHECK YOUR LOCAL LAWS.
BEFORE ORDERING. ACQUISITION OF LIVE CANNABIS SEEDS IS ILLEGAL IN THE UNITED STATES | PAYABLE IN US DOLLARS FROM ANYWHERE IN THE WORLD.

Attitude Seedbank

THE LARGEST SELECTION OF CANNABIS SEEDS EVER IN THE WORLD



GREENHOUSE SEEDS
Super Lemon Haze



GREENHOUSE SEEDS
Exodus Cheese



GREENHOUSE SEEDS
Hawaiian Snow



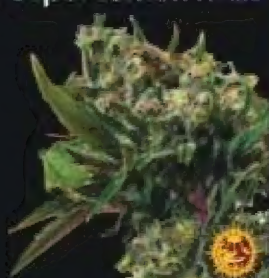
GREENHOUSE SEEDS
Kalashnikova



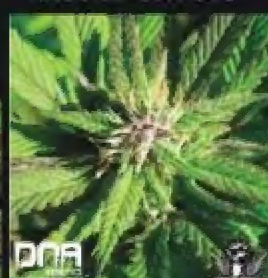
BARNEY'S FARM
Liberty Haze



BARNEY'S FARM
Tangerine Dream



BARNEY'S FARM
Blue Cheese



DNA GENETICS
L.A. Confidential



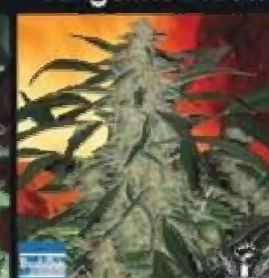
DNA GENETICS
Kosher Kush



RESERVA PRIVADA
The OG #18



BUDDHA SEEDS
White Dwarf



BUDDHA SEEDS
Deimos

WWW.THEATTITUDESEEDBANK.COM

01473 724698 INT: 0044 1473724698 INT: 011 44 1473724698

YOU HAVE TO BE AT LEAST 18 YEARS OLD TO ORDER CANNABIS SEEDS FROM THE ATTITUDE SEED BANK.
IT IS AN OFFENCE TO CULTIVATE ANY PLANT OF THE GENUS CANNABIS IN MOST OF THE WORLD WITHOUT A LICENCE FROM THE SECRETARY OF STATE.
ANYONE COMMITTING AN OFFENCE CONTRARY TO THIS SECTION MAY BE IMPRISONED OR FINED, OR BOTH.
SEEDS ARE SOLD AS SOUVENIRS ONLY, OR FOR THE PRESERVATION OF GENETICS OR IN CASE LAWS MAY CHANGE. IT IS RESPONSIBILITY TO CHECK YOUR LOCAL LAWS.
BEFORE ORDERING, ACQUISITION OF LIVE CANNABIS SEEDS IS ILLEGAL IN THE UNITED STATES | PAYABLE IN US DOLLARS FROM ANYWHERE IN THE WORLD.

IT'S EVERY GROWER'S WORST NIGHTMARE.



DON'T MAKE IT YOURS.

WHEN IT COMES TO YOUR GROW ROOM, FAILURE IS NOT AN OPTION - IT'S A ZERO-MISTAKE ENVIRONMENT.

Grow lights require more power than anything else in your garden. To run safely, they need a special controller designed specifically to handle demanding power loads. When you invest in all of the gear to make your garden a success, start with a good lighting controller – one that can safely provide the power your lights demand. It's a fundamental building block that no indoor garden should be without and anything less is putting your entire operation at risk.

Powerbox™ Lighting Controllers are ETL Listed, UL 1640 Certified, and CAN/CSA Standard C22.2#14-10 Approved. The only lighting controllers to be listed for use in the U.S. and Canada.

**WHY TAKE CHANCES WITH INFERIOR DEVICES?
ORDER A GENUINE POWERBOX™ LIGHTING CONTROLLER TODAY.**



APPROVED IN USA AND CANADA



HYDROPONICS LIGHTING CONTROLLERS

WWW.POWERBOXINC.COM



HYDROPONICS LIGHTING CONTROLLERS

DPC-15000

10 Light Controller w/Ammeter



DPC-15000 Sq

Sequential Controller for Generators



DPC-15000 TD

10 Light Controller w/Hot Start Delay



DPC-12000

10 Light Controller



DPC-12000 D

Dual-Zone 12 Light Controller



DPC-12000 TD

10 Light Controller w/Hot Start Delay



DPC-7500 120V

240V Input/120V Output



DPC-7500 COMBO

Combination 240V/120V



DPC-7500 240V

6 Light, 240V Controller



FLIPBOX® LSM-12

Run 12 Lights From 6 Ballasts



ORIGINAL FLIPBOX®

Run 2 Lights From 1 Ballast



FLIPBOX® LSM-20

Run 20 Lights From 10 Ballasts



Intertek

APPROVED IN USA AND CANADA

WWW.POWERBOXINC.COM



5 YEAR WARRANTY



MADE IN CALIFORNIA

HIGH TIMES MARCH



Understanding how to control the environment is the single most important factor separating the fruitful indoor pot producer from those who never seem to get it quite right.

—A Beginner's Guide to Growing Marijuana Indoors, Page 49

8	Editor's Letter
10	Letters
14	Contact High
21	Highwitness News
	The HIGH TIMES Michigan Medical Cannabis Cup; Paul Armentano examines the current legal landscape for cannabis; Paul Krassner on Occupy Wall Street; plus medical news.
	<i>Politics (p.24), Cannabis Clinic (p.30), Entertainment (p.32), Internet (p.40), Food (p.42), Gear (p.44), Markets (p.46)</i>
99	Dear Danko
106	Ask Dr. Mitch
108	Adventures in the Counterculture
110	Almost Infamous
112	NORMLizer/FFOTM
120	Pix of the Crop
126	Next Month
132	The Pot 40

49 A Beginner's Guide to Growing Marijuana Indoors

You've finally made the decision to grow your own indoors. What happens next? Danny Danko provides a primer for getting started.

58 Breeding for Home Growers

Mel Frank unlocks the most enjoyable aspect of marijuana gardening—breeding—by breaking down how to do it at home. If you ever imagined creating your own favorite strains and stocking up on seeds for future gardens...well, now you can!

72 The Gold Standard

When it comes to producing huge, 14-foot marijuana trees, there's nothing like the great outdoors. But there's a lot more than meets the eye when considering an outdoor operation. *By Nico Escondido*

84 Cashing In On the Earth Cashing Out

The Mayan calendar and its "end date" of Dec. 21, 2012, has become a cash cow for eccentrics and opportunists seeking to sell books and videos or simply scare the crap out of you. What's the truth behind the 2012 phenomenon? HIGH TIMES investigates. *By Mike Hughes*

90 HIGH TIMES Interview with Jeremy Piven

The Emmy Award-winning actor behind *Entourage's* Ari Gold talks about smoking up with Snoop Dogg, his role opposite Rob Lowe in the hot new indie flick *I Melt With You*, and why we need to legalize the "herbal medicine" as soon as possible. *By David Bienenstock*



The **PUREST**
organic **EXTRACTS**
on Earth!

Puresel™ is pleased to announce our new line of research extracts derived from organic botanicals in their **PUREST** and **MOST POTENT** form.

Puresel's lab-quality extracts are seasonally offered to ensure peak freshness and potency. Hurry while supplies last.

10% OFF / ONLINE COUPON

go to www.puresel.com and enter the code below for a 10% discount on your next purchase

▼ **ENTER CODE** ▼

HTA0312

pureosel™

*not for human consumption

For more information about
our full line of Puresel™ products
call us at 855.473.9957

Greetings, Amigos!

IF YOU HAVEN'T already figured it out from the cover, this issue is dedicated to the home grower, who—in these days of unbalanced marijuana prohibition versus a sane and compassionate medical marijuana policy—is really the soul of our movement. There are, of course, others taking part in this revolution: our policy leaders and generals, the weed warriors and soldiers on the front lines, the brave-hearted commercial growers, the guerrillas in the night, the dispensary owners and the everyday stoners. But I think a special shout-out is due to all those closet growers, those basement bailers and attic agriculturalists. Sure, they keep their grow on the down-low—hell, they may not even share their stash much—but they quietly and firmly say “Fuck you” to an unfair, oppressive and moronic system of government that, if this country were truly a democracy, would be outvoted and overrun in most respects... and certainly when it comes to the War on Drugs.



But these secret allies of ours, growing stealthily in their homes, are waiting in the wings and constitute this movement's secret weapon. Because, you see, they represent not only a hidden majority, but also the reason we can never lose and why good herb will never be vanquished. If every stoner grew marijuana at home, it would require at least as many law-enforcement schmucks to bust us all—which is clearly impos-

sible—and would supply more than enough nugs to meet the free-market demand. When you boil it all down, home growing is why the ignorant can never win. So here's to you, home-growing buddy: Keep up the good work!

In case you're wondering exactly how we're celebrating home growers and their courage in this issue (other than with a clever cover design): We've dropped a heavy lineup of articles on small indoor grows in these pages. Danny Danko gets beginners growing now with everything a first-timer needs to know, and the original ganja guru, Mel Frank, returns with one of his best pieces yet on home breeding. If you thought gardening for buds was a fun hobby, wait 'til you try growing for seeds—seeds for new strains of your own creation!

And in addition to home growing (sorry, I tend to have a one-track mind sometimes), this issue is filled with an assortment of articles that's sure to please everyone from the casual enthusiast to those ready to jump into the trenches. Paul Krassner weighs in on the Occupy Wall Street movement, and Paul Armentano offers a breakdown of the current political scene. Meanwhile, this issue's HIGH TIMES Interview features *Entourage's* Jeremy Piven talking pot—and, as usual, there're a few nice bud shots thrown in as well. So enjoy your read—and please, whatever you do, think hard about life and never stop fighting for what's right.

Grow and help the world grow, too!

Nico Escondido
CULTIVATION EDITOR

HIGH TIMES

EXECUTIVE EDITOR

Dan Skye

MANAGING EDITOR

Jen Bernstein

ART DIRECTOR

Frank Max

SORDID AFFAIRS EDITOR

Chris Simunek

SENIOR EDITOR

Bobby Black

SENIOR CULTIVATION EDITOR

Danny Danko

CULTIVATION EDITOR

Nico Escondido

WEST COAST EDITOR

David Bienenstock

WEB EDITOR

Mike Gianakos

COPY EDITORS

Mary Jane Gibson

Rick Szykowny

Matthew Woods

CREATIVE DIRECTOR

Steven Hager

PRODUCTION DIRECTOR

Elise McDonough

PRODUCTION ASSISTANT

Tyler Stewart

CONTRIBUTORS

Paul Armentano,

Bianca Barnhill,

Ashley Boudreaux,

Crazy Composer,

Big Croppa, Chef Mike,

John Fortunato,

Mel Frank, Freebie,

Jon Gettman,

Andre Grossmann,

Brian Jahn, Kris Krane,

Kyle Kushman, Lochfoot,

Mark Miller, MzJill,

Samantha Nicholas,

Michael Simmons,

Allen St. Pierre, Stinkbud,

Subcool, Vaporella,

Katy Winn, Max Yields

PUBLISHER

Mary C. McEvoy

ASSOCIATE PUBLISHER

Richard Cusick

ADVERTISING DIRECTOR

Michael Czerhoniak

SENIOR ADVERTISING

REPRESENTATIVE

Matt Stang

ADVERTISING REPRESENTATIVE

John McCooe

ADVERTISING MANAGER

Ann Marie Dennis

CONTROLLER

Sheila Avon

BUSINESS MANAGER

Michael Safir

DIRECTOR OF TECHNOLOGY

Craig Coffey

DIRECTOR OF SOUTHWEST

PROMOTIONS

Cathy Baker

FOUNDING PUBLISHER/EDITOR

Thomas King Forçade

1945-1978

NATIONAL

ADVERTISING OFFICE

419 Park Avenue South,

16th Floor, New York, NY

10016

(212) 387-0500

TO ADVERTISE IN

HIGH TIMES CALL:

(212) 387-0500

FOR SUBSCRIPTIONS

IN THE US CALL:

(800) 827-0228

FOR SUBSCRIPTIONS

OUTSIDE THE US CALL:

(815) 734-4151

TO SELL HIGH TIMES CALL:

(800) 998-0739

TRANS HIGH CORPORATION

HIGH TIMES March 2012 No. 434 (ISSN #0362-630X), published monthly by Trans-High Corporation, 419 Park Avenue South, 16th Floor, New York, NY 10016 • HIGH TIMES and Trans-High Corporation do not recommend, approve or endorse the products and/or services offered by companies advertising in the magazine or website. Nor do HIGH TIMES and Trans-High Corporation evaluate the advertiser's claims in any way. You should use your own judgment and evaluate products and services carefully before deciding to purchase. • Mail subscriptions (payable in US funds) and changes of address (please include most recent mailing label) to PO Box 422560 Palm Coast, FL 32142-2560 • Offices at 419 Park Avenue South, 16th Floor, New York, NY 10016 • Periodical postage paid at New York, NY, and at additional mailing offices • Manuscripts must be accompanied by a self-addressed stamped envelope • All contributions will be carefully considered, but the publishers and editors assume no responsibility for loss or injury to unsolicited material • Copyright © 2011 by Trans-High Corporation. Nothing in this publication may be reproduced in any manner, either in whole or in part, without specific written permission of the publisher. All rights reserved. "HIGH TIMES," "CANNABIS CUP," "MEDICAL CANNABIS CUP," "MISS HIGH TIMES," "PIX OF THE CROP," "POTCAST," and "BONGHITTERS" are trademarks and registered trademarks of Trans-High Corporation. All advertising and advertised products void where prohibited. POSTMASTER: Please send address changes to HIGH TIMES, PO Box 422560 Palm Coast, FL 32142-2560

PRINTED IN THE USA



hitman glass 

CONCENTRATE
ON WHAT'S
IMPORTANT

Come Back to Michigan

Thank you so much for putting on the Michigan Medical Cannabis Cup. As you were able to discern for yourself, we are going through some turmoil here. There were some skeptics, but the post-Cup response has been very positive.

If this event is destined to return next year, rest assured that the Michigan Association of Compassion Clubs (MACC), myself and many others will offer our assistance. We can certainly help to garner more interest, create a less resistant and restrictive atmosphere, and do so feeling comfortable with the intentions and level of professionalism that you and your magazine brought to our state.

There was a foundation built over the Cup weekend that can be the basis for future success. Thanks again for your interest in and reporting on the conditions here in Michigan. —*Jamie Lowell, President, MACC*

High Praise

Greetings! I've been a fan of HIGH TIMES for over four years and enjoy every aspect of cannabis culture and activism. I especially enjoy sitting down with Starfish (my bowl) and flipping through HIGH TIMES magazines any time of the day. I understand cannabis is a category unto itself and should be highly respected. These are some great articles! Thanks for all the years of enjoyment! —*G.A.*

Just sending a thumbs-up—a big green one! You guys do a great job of keeping me informed monthly, and I've got several successful grows under my belt thanks to your insight. Anyway, I was hoping you could write an article on how we can talk to our children about medical marijuana. I have a two-month-old and want to inform him one day—without being the “irresponsible” parent—about the truth of this plant. Any information you can give us readers would certainly be helpful. The children are our future, so I figure that if we teach them properly about this great plant, we can really watch this thing grow! —*Chad*

We recommend *The Parents' Guide to Marijuana* by Dr. Mitch Earleywine, one of our regular columnists.

Job Application

I don't want to take up too much of your time, but here's the deal: I'm not just some guy that wants to smoke really, really good weed—I believe in the culture



“Just sending a thumbs-up—a big green one! You guys do a great job of keeping me informed monthly, and I’ve got several successful grows under my belt.”

and everything you stand for and what you're trying to do, especially with *Free Weed Radio*, hosted by HT senior cultivation editor Danny Danko. I just want to be taken under your wing and work with you (or for you). If there's anything I can do, I'll do it! And if I can't do it, I'll learn it! Just give me a chance, *please*! I won't let you down, Mr. Danko! —*CPP*

Responsible Commentary

I just wanted to tell you how surprised I was by the quality of the articles in your publication. They're well-written and easy to read, so kudos to you and your writers. That being said, maybe you can get the people who comment on the articles online to start writing something readable. I know you can't, *really*, but irresponsible comments make everyone involved with pot look bad. —*DB*

Chef Du Cannabis

I'm a pastry chef and want to know who to contact to get involved in the edibles field of the cannabis industry. If you have any suggestions, please fill me in! —*Chef Tex*

The great thing about the cannabis industry is that anyone with talent and a strong work ethic can succeed. The first thing to do, obviously, is

to move to a medical-marijuana state (if you're not already in one). Next, check out the dispensary scene, and start building a business relationship with responsible dispensaries that can market your product. Good luck!

Living In Sin

I live in Nevada and want to start a petition for legalizing marijuana. How do I go about doing it? Everyone in Las Vegas smokes and cops don't really care. —*Marco*

Hook up with one of the two NORML chapters in your state. They'll point you in the right direction.

Really High

Have you ever had one of those highs where you put your soul completely into breaking up the weed, rolling it, and gently stroking it with your tongue to get it wet enough to stick perfectly? One of those highs where you just have to sit back and ponder the masterpiece you've created?

I'm talking about the kind of high that, once you touch the blunt to your lips, you inhale a state of elated bliss and an ecstasy that just runs through your body and when you exhale your problems drift away as if you never had them. These are the highs when, after you smoke, you don't want to move because you feel everything so differently. Every sound creates pleasurable vibrations and waves of movement running up and down your spine. These are the highs that, once you plug in your iPod, the world turns off, and you question whether your existence as a solitary human is just a convenient fiction hiding a much larger reality. Also, your music sounds beyond good. Perfect. Godly. Have you ever had one of those highs? —*ES*

Oddly enough, yes.

Buds Over Booze

Here's a simple fact—when I was in junior high school it was very easy to score weed and much harder to acquire booze. Not sure why, but just another argument to LEGALIZE it.

I don't need the government telling me what's right and what's wrong. —*THC*

JONNY CLEARWATER'S



ADULT PLEASURES FOR THE MIND, BODY AND SOUL



MEDITATIONAL POTPOURRI AS LOW AS
\$1.75 A GRAM! OVER 15 VARIETIES AVAILABLE!



BEST KRATOM PRODUCTS ANYWHERE



ALL-LEGAL MIND ENHANCERS



SPECIALIZING IN LEGAL ALTERNATIVES,
ADULT LINGERIE, TOYS AND NOVELTIES

SHOP DIRECT AT

JONNYCLEARWATER.COM

ALL CREDIT CARDS ACCEPTED

FACEBOOK: **JONNY CLEARWATER**
TWITTER: **@JONNYCLEARWATER**

CALL OR CONTACT FOR WHOLESALE PRICING: 1-866-429-1181 JONNYCLEARWATERSCLOUD9@GMAIL.COM

(G.O.D. SHIPPING AVAILABLE FOR ALL WHOLESALE ORDERS)



NEED TO TEST?

CALL 1-800-936-1070

MONKEY DONG

- SILENT INTERNAL VALVE CAN BE OPERATED WITH ONE HAND!
- FITS UP TO A 52" WAIST!

The MONKEY DONG is a unique strap-on urinating device that has a NATURAL PROSTHETIC PENIS!

The kit includes one sample of SYNTHETIC URINE (if needed), 4 ORGANIC HEAT PADS (enough for 4 tests), an EASY-TO-READ TEMPERATURE STRIP, a CALIBRATED SYRINGE for easy filling, and DETAILED INSTRUCTIONS.

THE FINEST
STRAP-ON
URINATING DEVICE
AVAILABLE!

only
\$79.95!



DON'T MONKEY AROUND! GET SERIOUS AND GET THE BEST!

MONKEY FLASK

only
\$24.95!

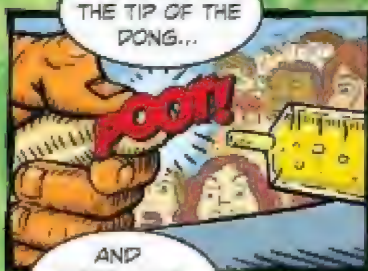


The **MONKEY FLASK's** unique design, with a **Safety Sealed Flip Top Cap**, contains **3.5 oz.** of the **Highest Quality Pre-Mixed Synthetic Urine**, that allows for discreet concealment and ensures proper heating for up to **8 Hours!** Also includes **1 Self-Adhesive Heat Pad**, **Easy-To-Read Temperature Strip** and **Detailed Instructions**.

THE MOST DISCREETLY CONCEALED BOTTLE!



SQUEEZE THE TIP OF THE PONG...



AND INSERT THE SYRINGE



INTO THE PEE HOLE

THEN INJECT THE CONTENTS...



INTO THE BLADDER



OH HH YEAH!

**-SAME DAY SHIPPING
-ALL MAJOR CREDIT CARDS ACCEPTED**

MONKEY WHIZZ

THE WORLD'S BEST SELLING "URINE SUBSTITUTION KIT!"

only
\$39.95!



Each **MONKEY WHIZ** kit contains **3.5 oz.** of the **Highest Quality Pre-Mixed Synthetic Urine**, **Vinyl Bladder**, **100% Cotton Elastic Belt**, **Two Organic Heat Pads**, **Easy-To-Read Temperature Strip** and **Detailed Instructions**.



REMEMBER FOLKS...

YOU CAN'T GO WRONG...

WITH MONKEY DONG!

YOU GOT OUR CHOCOLATE COVERED BACON ALL WET! YUCK!

**BEST PRODUCT! CHEAPEST PRICE!
GUARANTEED TO BEAT THE TEST!**

**1-800-936-1070
SERIOUSMONKEYBIZZ.COM**

CHECK LOCAL STATE AND FEDERAL LAWS BEFORE ORDERING

**Contact
High**

HO, HO, HO GREEN GIANT The jolly green giants of Camp Cool Farm flourish in the outdoor sunshine of northern California. Curious as to how exactly one grows monster plants that yield 10+ pounds? Check out our outdoor cultivation story, "The Gold Standard," on page 72 for the details...but we warn you, it certainly isn't easy!









March 2012 **High Times**

MASS MEDITATION Before the NYPD ousted the Occupy Wall Street encampment from New York City's Zuccotti Park, it was the habit of protesters to hold a daily meditation circle; sometimes twice a day—with yoga. Luminaries such as Russell Simmons and Deepak Chopra dropped in to lead these meditations. This particular session was held prior to a march on City Hall in early October in order to clarify protesters' intentions for a peaceful, successful rally.

**Contact
High**



98 OLD SCHOOL
(Second place *Indica* winner)

SOUR DIESEL VI
(Third place *Sativa* winner)



CPL
(Third place *Indica* winner)



SOUR OG KUSH
(First place Hybrid winner)

OBAMANATOR
(First place *Sativa* winner)



**CREAMA
(SWEET RELIEF)**
Third place Hybrid winner



BEHOLD, THE WINNERS! HIGH TIMES held its first ever Medical Cannabis Cup in Detroit, Michigan with some really strong contenders wowing us with completely new and unique strains we had never seen! The Obamanator, a 100 percent *sativa* from New World Seeds, was created from two pure land-race *sativas*—one from Kenya and the other from Hawaii. Too bad Obama himself hasn't been as big a help to patients as this fine medicine has! For more Michigan coverage, see page 21.

**Contact
High**

GALAXY GOD BUD

(Second place Hybrid winner)



**SOUR DIESEL
THE G CUT**

(Second place *Sativa* winner)



**GRANDDADDY URKLE
THE G CUT**

(First place *Indica* winner)



SUPERCLOSET

#1 Selling Automated Grow Systems in the World!



Deluxe

72"h x 36"w x 24"d

The award winning Deluxe by seven time award winner SuperCloset is the premier all-in-one, fully automated, stealth grow cabinet available today. It is a combination of the latest hydroponic technology, best available components, & simplistic beauty. Not only does the Deluxe perform flawlessly and produce incredible yields, it is also a titan of design and ease. Everything you need to start growing immediately is already included. Place seeds or clones into the lower SuperCloner Chamber, move plants to the flowering Superponics Chamber, harvest, and then repeat the process. When you grow with SuperCloset, you are growing with the BEST!

Trinity

60"h x 24"w x 24"d

SuperBloom

72"h x 36"w x 24"d

SuperLocker

60"h x 36"w x 24"d

SuperCube

60"h x 36"w x 24"d

SuperBox

60"h x 36"w x 24"d



P.O. Box 883663
San Francisco, CA 94188

www.supercloset.com

ph. + 877 . 476 . 9787
fax. + 415 . 285 . 0301

Highwitress News

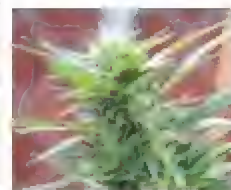
The Medical Cannabis Cup makes Mike HIGH TIMES smile.



Medical

Evil Ads, CD Relief & MDMA

Cannatonic X: Miracle Medical Strain p. 30



Gear

Gonzo Products for Pot Lovers

Whether it's wood or iron, smoke a bowl-in-one p. 44



Clockwise from left: Sgt. "Buzzkill" Kowalski of the Detroit Police on the case; Some vendors surreptitiously displayed their wares.

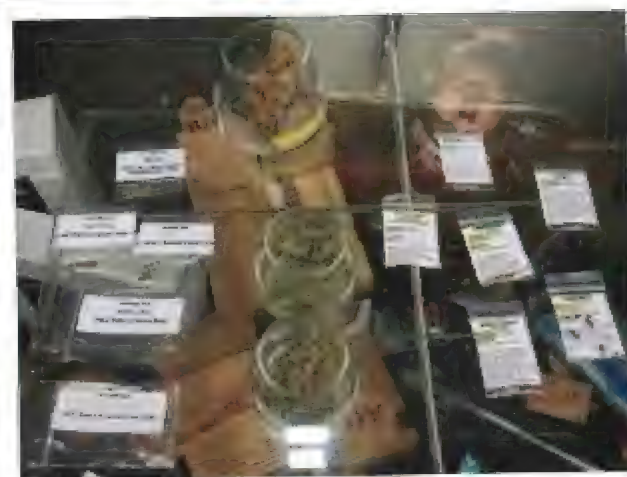
MOTOWN MADNESS

Heavy police presence at the first-ever HIGH TIMES Medical Cannabis Cup in Michigan threatened to kill everyone's buzz.

At high noon on October 15, the doors of Bert's Warehouse Theater in Detroit swung open, and Michigan's marijuana community eagerly filed in for a two-day expo and awards show planned for the weekend. HIGH TIMES had already been in the city for a week in order to accept strain entries from Michigan's top caregivers. The magazine's Cultivation Department had installed a panel of expert judges to sample the best medical-marijuana strains in the state. The pot public was looking forward to a major confluence of expert growers, industry experts and, of course, new varieties to sample.



George Clinton and friends sniff out some of Detroit's finest kush.



Unfortunately, also waiting at the door that day was a contingent of Detroit cops, who threatened to shut down the event if cannabis were displayed or smoked.

The warnings had already begun to fly in the days prior to the event. "It's against the law in Michigan to use marijuana in a public place," announced Maria Miller, the spokeswoman for the Wayne County prosecutor's office.

"This is true even if you are the holder of



Comic Rob Cantrell opened the awards show on Sunday night. Below: Glass artists created killer pipes on-site.

One-hitters that had remained in pockets throughout the weekend were suddenly put to good use.

completely redefine Michigan's medical-marijuana law and outlaw the state's dispensaries—and it may take the courts to unravel the mess. So perhaps the extreme interest in the HIGH TIMES Medical Cannabis Cup on the part of law enforcement was mere “collateral damage.”

But rest assured, there was no disruption. The booths at the expo did a

brisk business, and in a variety of seminars, leaders of the state's activist community discussed their battle plans to take back what state voters have overwhelmingly approved.

On Saturday night, crowds flocked to the edge of the city for a concert featuring Royce da 5'9" and the 420 Funk Mob. But the biggest draw was the Funkmaster himself, George Clinton. Sponsored by Jungle

Room of Birmingham, MI, Clinton signed on for the show at the eleventh hour and, not surprisingly, rocked the house. Needless to say, his affinity for the conspicuous onstage consumption of Great Lakes reefer inspired his performance.

On Sunday night, comic Rob Cantrell hosted the Medical Cannabis Cup Awards

and fractured the audience's funnybone with his offbeat insights into the world of stonerdom. No cops were on hand for the awards show, so the one-hitters that had remained in pockets throughout the weekend were suddenly put to good use—which accounted for

the sweet scent wafting across the stage as the winners received their Cups.

In the end, the efforts of HIGH TIMES in Michigan were by no means diminished in any significant way. Among the vibrant cannabis community in this state, there's no shortage of energy or industry. The magazine's commitment to future events, is rock solid, and despite the warnings and ultimatums, the notion of canceling the 2011 Michigan Medical Cannabis Cup was even never considered.

And it won't be next year, either. ✨

“a medical marijuana card. We would caution the public attending this event to be mindful of the law, because it will be enforced without exception.”

Detroit Assistant Police Chief Chester Logan added: “We will be monitoring this, and all laws will be enforced.”

The event absorbed the body blow and went forward, but the HT staff was now faced with the unpleasant task of asking attendees and vendors to keep their medicine under wraps.

Certainly, this was a case of no good deed going unpunished. HIGH TIMES had its choice of Michigan cities that would have been far more receptive to a cannabis-themed event. But in order to show good faith, the event was mounted in Detroit, a city desperately in need of economic revitalization.

To see as many as nine cops at a time swaggering through a peaceful trade expo causes one to wonder: In a city with a notoriously high crime rate, were four visits by the Detroit police really necessary? And once cannabis was removed from the expo, was it truly necessary, as a final salvo, to enforce a minor city ordinance against selling pipes by deploying four cops in flak jackets?

Ironically, the cops' final sweep of the

expo coincided with the beginning of the “Legal Issues” seminar. They were invited to stay but declined, and exited the venue amid raucous cheers.

Oh, and about that ordinance: When one Sergeant Kowalski of the Detroit PD approached the purveyors of the Incredibowl and asked if they were for sale, the plucky cannapreneurs responded with a firm “no” and began throwing free pipes into the crowd (youtube.com/watch?v=c0DSDRSgbj4). Sergeant Kowalski was not amused, and a summons was issued.

Thankfully, no arrests were made throughout the weekend, but the HIGH TIMES staff was certainly as disappointed as the judges. Recent

Medical Cannabis Cup events in Denver and San Francisco have been both responsible and wildly successful, and the legal cannabis use in restricted areas was of no concern to city officials.

In Detroit, the magazine was expecting no less. Unfortunately, a concerted effort has been made on the part of State Attorney General Bill Schuette to



Watch the Incredibowl raid at hightimes.com/raid



Get the free mobile app: www.gettag.mobi

Top grower General Grant won Cups for *indica* and *hybrid*.



Happy Holidays

from HIDHut.com



Reflectors
From \$24.99



Bubble Easy Machines
From \$149.99



LED Grow Lights
From \$499.99



Quick Cure Drying Racks
From \$35.00



HPS Light Kits
From \$99.99



Cannon Filters
From \$49.99



Grow Bags
From \$1.99



DWC Hydro Systems
From \$79.99



Digital Ballasts
From \$79.99



Growing Mediums
From \$10.99

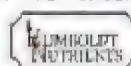
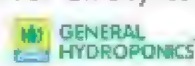
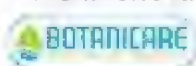
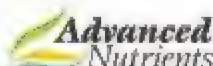


Whisper Fans
From \$9.99



Cannon Fans
From \$99.99

Nutrients and Additives
Nutrient kits for all styles of horticulture



PURCHASE ALL YOUR GARDENING SUPPLIES AT
OR CALL (866) 678-8565 FOR YOUR FREE





Occupiers protest in front of New York City's Federal Building.

YIPPIES vs. OCCUPIERS

Technology changes the art of the protest.

By Paul Krassner

As a co-founder of the Yippies (Youth International Party)—best known for demonstrating against the Vietnam War at the 1968 Democratic convention in Chicago—I find myself comparing and contrasting our movement with Occupy Wall Street.

The Yippies had to perform stunts to get media coverage for our cause, so a group of us entered the New York Stock Exchange, went upstairs to the balcony and threw \$200 worth of singles onto the floor below, watching the gang of manic brokers suddenly morph from yelling “Pork bellies!” into “Diving for Dollars.” Then we held a press conference outside, explaining the connection between capitalism and the war.

These days, a particular Occupy Wall Street placard—“Wall Street Is War Street”—gives me a sense of continuity. Other anonymous OWS protesters have carried posters proclaiming “God Forbid We Have Sex & Smoke Pot,” “They Want Us to Grab Guns & Go to War!” and “I am an immigrant. I came here to take your job. But you don’t have one.”

By the sheer power of numbers and without the need for stunts, the Occupiers have broadened public awareness of the economic injustice perpetuated by corporations without compassion, conspiring with a corrupt government and resulting in immeasurable suffering.

NPR waited 11 days before reporting

the existence of Occupy Wall Street. The executive news editor explained this by saying that the occupation “did not involve large numbers of people” (actually, there were several hundred even in the early days), that no “prominent people” showed up (ignoring Michael Moore and Susan Sarandon), that it posed no “great disruption” to the city (the mass arrests on the Brooklyn Bridge and the cops pepper-spraying protesters “kettled” with orange netting finally met that need), and that it lacked “an especially clear objective” (unlike all those flip-floppy, pandering politicians whose clear objective is to get elected).

The Occupiers appear to be leaderless; Abbie Hoffman, Jerry Rubin and I served as spokesmen for the Yippies. We had media contacts and knew how to speak in sound bites. If we gave good quotes, they gave us free publicity for upcoming demonstrations. It was mutual manipulation.

During an interview with Abbie and me for the CBS Evening News, Abbie paraphrased Che Guevara: “I’m prepared to win or die.” But that comment never made it to the air. When the reporter asked me, “What do the Yippies actually plan to do in Chicago?,” I smiled at her and said, “You think I’m gonna tell *you*?”

As it turned out, that portion of my

answer was used to end Walter Cronkite’s piece on Yippies, but my follow-up sentence—“The first thing we’re gonna do is put truth serum in the reporters’ drinks”—was cut. I was beaten at my own game.

Inspired by the Yippies’ nomination of a pig for president, Michael Dare tried unsuccessfully to persuade his fellow protesters at Occupy Seattle to carry out his notion that, “if corporations are people, let’s run one for president.” I offered myself as Secretary of Greed.

The evolution of technology has changed the way protests are organized and carried out. The Yippies used messy mimeograph machines for flyers. They stuffed envelopes, addressed, stamped and mailed. The Internet enables Occupiers to inexpensively reach countless people immediately. When the Yippies were being tear-gassed and beaten sadistically and indiscriminately, we chanted, “The whole world is watching!” (A tactic the Occupiers have used as well.) But when a similar bloodbath was expected after the New York police decided to force the Occupiers out of the Zuccotti Park—and then reversed that decision—Michael Moore asked a cop, “Why don’t you think the eviction happened?”

The reply: “Because the mayor’s afraid of YouTube.”

The Yippies were a countercultural force, an amalgam of stoned hippies and straight politicians. Occupiers are essentially mainstream, but their demonization by right-wing media pund-nuts has provided a replay performance of the Dinosaur Follies. Bill O’Reilly dismissed the Occupiers as “violent, America-hating anarchists.” Ann Coulter referred to them as mobs of “tattooed, body-pierced, sunken-chested 19-year-olds getting in

fight with the police for fun.” Glenn Beck warned that they “will drag you into the streets and kill you.” Rush Limbaugh described them as “dumbed-down” and “propagandized” and asked a

rhetorical question reeking with layers of irony: “Whatever happened to the sixties’ ‘Question Authority?’”

(At this point, Limbaugh is like a castrated canine still busy humping the living-room sofa by force of habit.)

I’ll conclude here with a little gift for the infamous 1%, in the form of what could eventually become a riddle for reactionaries.

Q: “What do corporations and fetuses have in common?”

A: “They’re both persons.” ✨

“The first thing we’re gonna do is put truth serum in the reporters’ drinks.”

**Give a man a bud, he smokes for a day.
Teach a man to grow, he smokes for life...**



Thanks to all of the BCNL Fans that made the last 10 years rock!



The Bloombox
Continuous Growing



The Producer
Tons of Flowering Space



The Mothership
Grow Big in Small Spaces



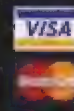
The Nursery
The Cloning Monster

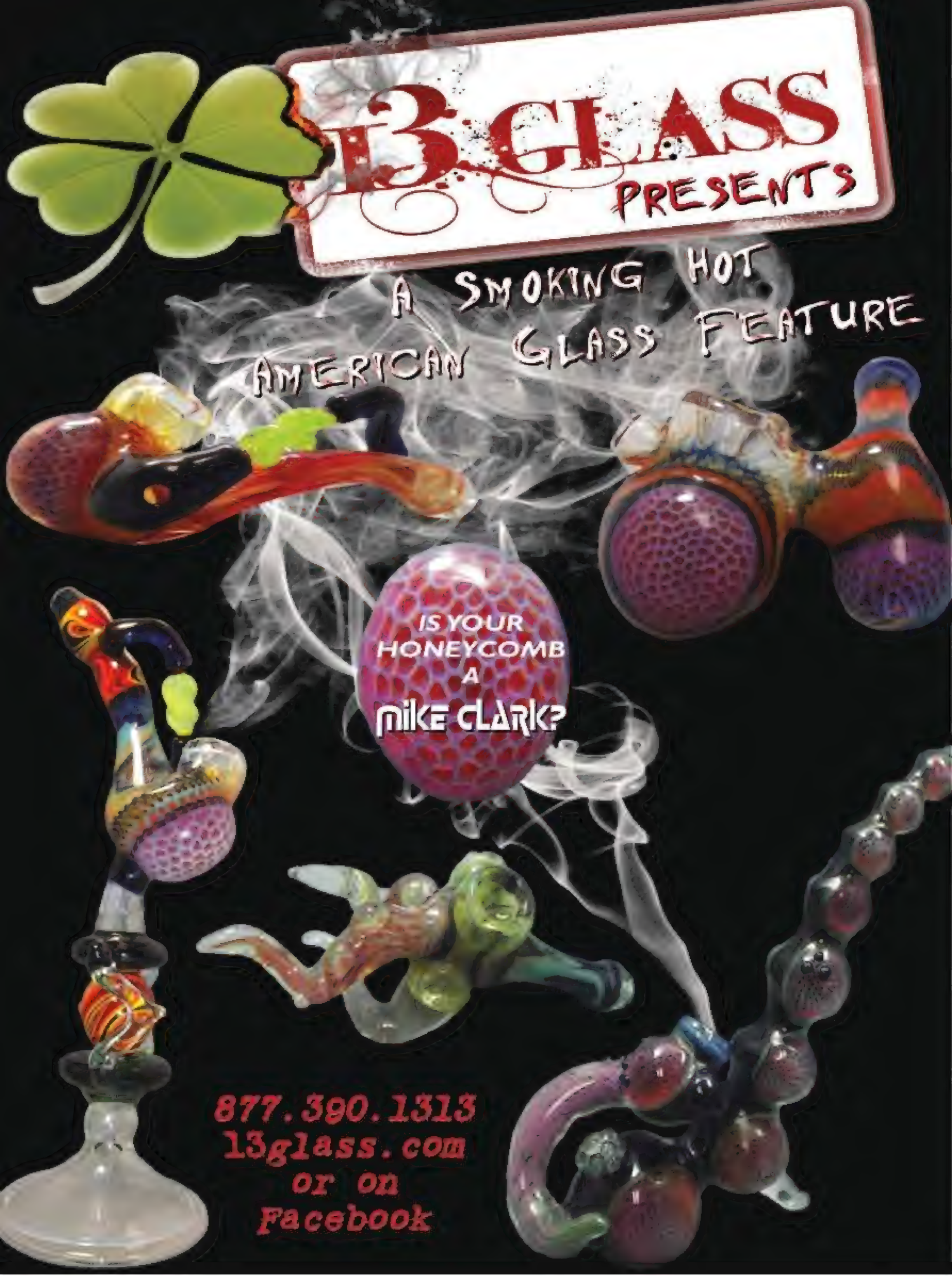
1.888.236.1266



BC NORTHERN LIGHTS
www.bcnorthernlights.com

BCNL HIGH





13 GLASS

PRESENTS

A SMOKING HOT
AMERICAN GLASS FEATURE

IS YOUR
HONEYCOMB
A
NIKE CLARK?

877.390.1313
13glass.com
or on
facebook



CANNABIS SMACKDOWN!

2011: The Year the Drug Warriors Struck Back

by Paul Armentano

*"FIRST THEY IGNORE YOU,
THEN THEY LAUGH AT YOU,
THEN THEY FIGHT YOU,
THEN YOU WIN."*

—Mahatma Gandhi

It should be obvious to marijuana-law reform advocates that 2011 was the year the government decided to fight back—and fight back with a vengeance. By year's end, it was apparent that President Barack Obama's campaign pledge to respect state medical-marijuana laws had become ancient history. Instead, that now-empty promise was replaced by a multi-agency, full-court press intended to create a climate of fear and prosecution

regarding the use, production and distribution of marijuana, particularly medical cannabis.

Obama's role reversal from cannabis sympathizer to White House weed whacker took many in the reform community by surprise, but it shouldn't have: In many ways, the administration's anti-pot efforts were as predictable as they are disheartening.

Keep in mind that, as a movement, we've been here before. In the late 1970s, following the passage of legislation decriminalizing pot possession in a dozen states, many drug-law reformers predicted that the full-scale legalization of cannabis for adults was just around the corner. It wasn't. Instead, advocates experienced a decade-long political

backlash in the 1980s, during which time years of cannabis progress were wiped out by the launch of a renewed, all-out War on Drugs.

The seeds for the 2011 medical-marijuana pushback were planted in the November 2010 elections. Specifically, the defeat of three highly publicized statewide reform measures—California's Proposition 19 to legalize, tax and regulate adult cannabis use; Oregon's Measure 74 to authorize state-licensed medical-pot dispensaries; and South Dakota's Measure 13 to allow the herb's limited medicinal use—represented a smackdown at the ballot box the likes of which our movement has rarely expe-

Between 2009 and 2011, the number of state-authorized marijuana consumers had swelled to well over one million nationally.

rienced in recent years, and one that doubtlessly emboldened our prohibitionist opponents. In addition, the GOP wave that swept through Congress and several state legislatures—in particular, those of formerly med-pot-friendly states like Montana, Michigan and New Mexico—elevated to high office anti-pot crusaders such as Michigan Attorney General Bill Schuette, New Mexico Governor Susana Martinez and Texas Congressman Lamar Smith (a longtime Drug War hawk who became the Judiciary Committee's chairman following the Republicans' 2010 takeover of the House of Representatives). Having gained newfound power in the fall of 2010, it's hardly surprising that these pot prohibitionists sought to engage in a show of force in 2011.

Unlike past years, however, the drug warriors in 2011 had an array of new and unconventional targets to choose from. Why? Because of the unparalleled gains that marijuana advocates had achieved to legitimize the use of medical cannabis and the industry surrounding it. Between 2009 and 2011, the number of state-authorized marijuana consumers had swelled to well over one million nationally. The total number of locally licensed dispensaries also grew exponentially, with more than 1,000 state-authorized facilities in Colorado alone. As a result, the Obama administration, unlike the Bush and Clinton administrations, chose to target the institutions that enabled this nascent industry to thrive—such as med-pot-friendly banks

and dispensary landlords as well as the proprietors themselves—rather than the individual patients they served. By late 2011, even the IRS had joined the battle, auditing several large taxpaying dispensaries, denying their operators the use of standard business deductions, and then demanding millions of dollars in allegedly unpaid taxes.

And that wasn't all. In October, representatives from the four US Attorney's offices in California publicly threatened to prosecute any medical marijuana grower or dispensary operator who profited financially from their activities. Speaking to the Huffington Post, a spokesperson for US Attorney Andre Birotte alleged that the president himself hadn't instigated this latest round of Justice Department threats, claiming instead that it was the "collective decision" of federal prosecutors themselves.

The claim may have some legitimacy: By the fall of 2011, a sagging economy had severely weakened Obama's power, even within his own administration. With a re-election battle on the horizon, it likely became obvious to Drug War hardliners within the federal government that the president would not be spending a shred of political capital to halt a federally initiated cannabis crackdown.

Meanwhile, US Attorney General Eric Holder, who had previously echoed his boss's sentiments not to interfere with state marijuana laws, was fighting for his own political survival, embroiled in a scandal over the Justice Department's failed "Fast and Furious" gun-running sting in Mexico. If ever there was an ideal time for the reefer madmen to take over the asylum, this was it.

"Holder has lost control of the Justice Department," asserts Eric Sterling, the president of the Criminal Justice Policy Institute in Washington, DC. "And Obama has concluded that with crime down generally, he needs to pay little attention to [what] the Justice Department [is doing]."

But while it may be convenient to

"Political winds can change quickly. We have to make our progress while we have that political support, and not presume it will necessarily get easier down the road."

parallel the present federal crackdown with that of the 1980s, there are two core differences between now and then. First, the climate of public tolerance for or even outright approval of marijuana these days is far beyond what it was three decades ago. Whereas reducing minor marijuana possession to a fine-only offense in a handful of states highlighted the extent of movement's gains in the 1970s, today's victories include legitimizing the public sale and state-sanctioned use of cannabis by over a million legal consumers. And while it's possible that federal sanctions and threats may temporarily succeed in contracting the size and presence of the industry, it is much harder to believe that any government efforts—no matter how severe—will ever succeed in delegitimizing cannabis as a mainstay of modern society. The ganja genie is out of the bottle, and it isn't going back in.

Secondly, the public's support for the broader legalization of cannabis for all adults is now more than twice what it was at the height of the 1970s. And that support is growing. Fact: In 1979, only one in four Americans supported the notion of legalizing pot, while a daunting 70 percent at the time still favored the policy of criminal prohibition. Today, public opinion data tell a much different story. Gallup polls indicate that 2011 marked the first time in our nation's history when the percentage of Americans in favor of legalizing pot (50 percent) was greater than those who favor keeping it illegal (46 percent).

This change in public opinion has been a rapid one, increasing 14 percentage points from 2005 alone. More importantly, cannabis's growing public support is widespread: More Americans of every

age, political persuasion and region of the country back legalizing weed today than they did just six years ago. If the present polling trends continue—and there's no reason to believe

they won't—Americans' enthusiasm for outright legalization will reach super-majority status in less than a decade.

Says NORML founder Keith Stroup: "As the Gallup poll confirms, we are continuing to win the hearts and minds of the American people. The federal government's sudden intervention has virtually no public support."

Even so, Stroup issues a note of caution: "Political winds can change quickly. We have to make our progress while we have that political support, and not presume it will get easier down the road."

Despite the government's recent anti-pot efforts, it's easy to overlook the fact that advocates in 2011 achieved several significant victories, most of which pertained to the personal use of cannabis for all adults, not just patients. Arkansas, California, Connecticut and Kentucky enacted new laws in 2011 significantly lowering penalties for pot use and possession. In California and Connecticut, lawmakers made such activities non-criminal, non-arrestable offenses—the first time since 1977 that lawmakers in any state moved to fully decriminalize marijuana possession.

And therein lies the rub: Public and political support for full legalization is rapidly moving forward. Statewide initiative efforts to legalize and regulate the use of cannabis may qualify for the ballot in Colorado and Washington, and regional polling data show that majorities of the voting public back them. More nascent statewide legalization efforts in California, Nebraska, Oregon and elsewhere are ongoing, suggesting that 2012 may prove to be one of the most landmark years for cannabis liberation ever. So where do we go from here? Forward. And then we win. 🌿

BRIEFS

Mexico's Prohibition Failure

➤ Mexico's harvest has doubled in the past five years, especially in

the Sierra Madre mountain range. Since 2006, the Mexican soldiers who had previously slashed and burned illegal crops have been gradually redeployed. Now, President Felipe Calderón is sending the military into metro areas

to battle the ruthless and heavily armed drug cartels that are terrorizing the country. The result? In 2005, more than 77,000 acres of pot were destroyed; in 2010, that figure dropped to only 43,000 acres. And with bigger harvests has come

more pot smuggling: Seizures at the U.S.-Mexican border increased from 1 million kilograms of weed in '06 to 1.5 million kilos in '10. So much for DEA Administrator Michele Leonhart's claim that the appalling bloodshed in Mexico is

a "sign of success" in the War on Drugs.

One more thing: Poppy production has soared to record levels in the Sierra Madre. In fact, Mexico is now the No. 2 exporter of heroin in the world, second only to Afghanistan.

TOP K2 IS YOUR BEST SOURCE FOR 100% LEGAL HERBAL INCENSE!

FREE
SHIPPING*

NOW LEGAL

KNOCK OUT
Quality,
Potency,
and Prices

Now Available:

**NEW AND IMPROVED
3RD GENERATION
HERBAL BLENDS
3 Potencies, 5 Aromas**

4 INCENSE LINES AND 16
HERBAL BLENDS AVAILABLE:
**K2, BAKED!, 420, AND
ENLIGHTENMENT INCENSE!**

EARN LOYALTY POINTS ON EVERY
PURCHASE, REFERRAL, AND REVIEW

**100% Money Back and
Satisfaction Guarantee**

Order Online or over the phone! Same day Shipping!

*Free USPS
Priority Mail
Shipping on
all orders
over \$65



Our hours of operation are
9AM - 5PM PST call today
to speak to a real person!

1-888-488-6752

www.topk2.com





A strain whose
CBD level
approaches
20 percent.

STRAIN OF THE MONTH

CANNATONIC X

One of the original high-CBD strains—created overseas in breeding projects in Amsterdam and Spain—finally gets the credit it deserves here in the US. Cannatonic X, a phenotype of the original Cannatonic line, took home top honors at the HIGH TIMES Medical Cannabis Cup in Detroit. Testing at 12.3% cannabidiol, Cannatonic X won the CBD Award as the best medicinal strain at the Cup. A cross between MK-Ultra from T.H.Seeds and the legendary G-13 Haze (both developed in Holland), this winning entry was grown by the GLCCC group from seed. She finished in 71 days and was grown indoors and organically.

There are reports of the Cannatonic strain testing at even higher levels of CBD (sometimes approaching 20%), and patients have long raved about its medicinal effects and benefits. Projects are currently underway in Spain, the Netherlands and the US to develop a 50/50 ratio of THC and CBD in the strain, which would certainly result in one of the strongest herbal medicines in the world!



TRIUMPH IN 'ZONA

Arizona voters legalized medical pot a year ago. In November, Elements Caregiver Collective opened in Phoenix, and attracted a crowd of thousands, including patients, growers and activists.

MEDICAL BRIEFS

Evil Advertising

➤ If the federal government conducted the War on Terror with the same multi-pronged ferocity that it's displayed going after medical marijuana, maybe we'd have gotten out of Iraq and Afghanistan a lot sooner.

As reported by California Watch, US Attorney Laura E. Duffy, one of four federal prosecutors in the Golden State, recently announced that medical marijuana advertising in her district (including San Diego) will be the next area of canna-business to be targeted by her office, including any newspapers, magazines, TV and radio stations, and even online providers that run pot ads.

Despite medical cannabis's well-known legality in California, it's against federal law to advertise the sale of Schedule I drugs—which includes pot. Duffy said her first step will be to notify those running the "illegal" ads that they're breaking the law. She noted ominously that the federal government has the power to seize property and prosecute violators

in both civil and criminal court, with first-time offenders facing up to four years in prison.

If Duffy gets her way, people with a doctor's recommendation to use medical cannabis will have to rely on word of mouth—or perhaps smoke signals—to find a local dispensary.

Ecstasy vs. Cancer

➤ A molecularly modified version of MDMA—a.k.a. Ecstasy—has been found to kill certain types of blood-cancer (lymphoma) cells in test-tube research conducted at the University of Birmingham (UK) and the University of Western Australia. The MDMA analog was created via the addition of phenyl-group molecules and was specifically tested on a rare B-cell cancer, the nasty Burkitt's lymphoma, which aggressively attacks bone marrow.

Scientists have known since 2006 that Ecstasy destroys lymphoma cells (as do antidepressants like Prozac), but the newly altered MDMA increased this cancer-killing effectiveness 100-fold, with researchers postulating that the drug hones in on the fat of the lymphoma-cell membranes, breaking them down. Animal research and clinical trials must be still conducted before the drug can be

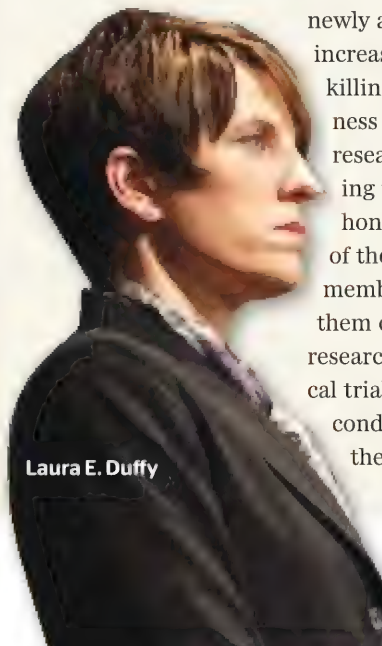
prescribed to humans, and scientists plan to modify the molecule even further to more precisely increase its effectiveness.

Cannabis Relief for Crohn's

➤ Crohn's Disease is a serious inflammatory bowel illness afflicting millions worldwide with nasty symptoms like persistent diarrhea and severe abdominal pain. Crohn's patients have used pot for years to better manage their malady, but now formal research being conducted in Israel has linked cannabis to a reduction in Crohn's symptoms and to less Crohn's-related

surgeries needing to be performed. As reported in the *Journal of the Israeli Medical Association*, researchers at the Meir Medical Center in Tel Aviv studied 30 Crohn's patients before and after cannabis use and found that 21 of the participants displayed "significant improvement," and that all of the patients reported a positive effect on their Crohn's symptoms.

There was also a "significant reduction" in the other medication patients needed—and even more significantly, only two of the patients required surgery during a three-year average period of using cannabis. Previously, 15 of the subjects had required surgery over an average nine-year span.



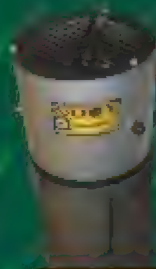
Laura E. Duffy



TRIMPRO®



Automatik



Trimbox



Trimpro



Trimbox Workstation



Rotor



Trimpro Workstation



XL



Gasoline

WWW.TRIMPRO.CA

info@trimpro.ca 450. 349. 0811

PATENTS: CAN: 2,470,370 USA: 7,168,643 AUS: 2004260788
PATENT PENDING: EUR: 04761713.9
CE STANDARD.

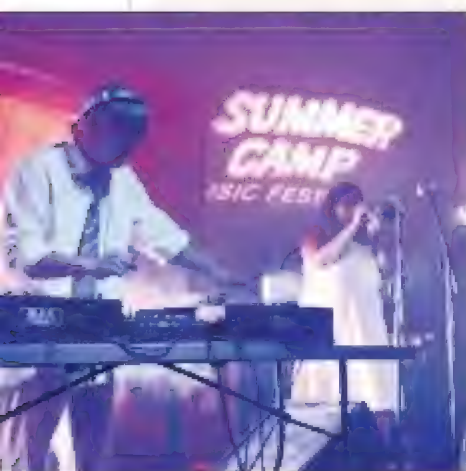
UNSIGNED BAND
OF THE MONTH:

Wyllys and the New York Hustler Ensemble

Wyllys and the New York Hustler Ensemble

is a nu-disco re-edit machine. Featuring Wyllys on the turntables and Jennifer Hartswick and Natalie Cressman of the Trey Anastasio Band on horns and vocals, this professionally trained group of groove enthusiasts delivers every time they step on stage. Each set is completely different from the last and contains spirited and well-executed improvisation in addition to a well-planned mix of the hottest tracks.

The band is currently working on its debut LP, which promises to be an indie-rock-infused nu-disco explosion the likes of which no one has ever heard before. If you love a continuous groove rooted in the soul of



dance music, Wyllys and the New York Hustler Ensemble will take your dance-floor experience to the next level...always!

For more info on the band, including audio samples and tour dates, check out hightimes.com/wyllysandthenewyorkhustlerensemble.



Rugz luvz nugz.

RUGZ ON DRUGS

Hailing from Harlem, the hip-hop MC known as Rugz D. Bewler sits down with HIGH TIMES to talk about moms, marijuana and making music.

He burst onto the scene with his 2010 mix-tape, *Bewler's Day Off*. Later that same year, he released *Save Bewler: The Memoirs of Muhammad McFly*, and followed that up with *By Any Means Necessary* in 2011. With songs like "Window Wavin'" with Curren\$y and "White Paper & Women (Pass Dat Shhh)" featuring Smoke DZA and Terri Walker, Rugz D. Bewler wears his marijuana smoking habits on his sleeve.

With a throwback vocal sound reminiscent of the golden era of hip-hop, Rugz' rhymes and production are easy on the ears and filled with powerful insights among the playful wordplay. You might also recognize him as the talented actor who played "Kenzo" in the motion picture *Finding Forrester*. His linking up with former Roc-A-Fella CEO Damon Dash led to a meeting with renowned producer Ski Beatz—and the rest was history.

Asked about his first experiences with

marijuana, Rugz laughs, "I started out by taking my mom's doobage. She's gonna kill me if she reads this but it's the truth. We hid around and took drags but it wasn't like how we're getting high these days. Like, we had to ask each other if we could feel it or not. Later on I started smoking my own shit. Uptown we got Haze, then Sour Diesel came out and boom! New York has always had great herbs."

As for marijuana playing a role in his creative process,

Rugz says he can smoke up to a quarter of an ounce per studio song session. "Weed brings happiness. So the average person that smokes weed is gonna listen to music that caters to it, so they're gonna be some happy people listening to my joints." He continues, "When I'm high, I try to listen to my music like a fan would hear it. When I'm in the studio I always have the three "W"s; weed, water and women." *Danny Danko*

Find more info at rugzdbewler.com.



METHOD SEVEN



SEE. BELIEVE.

Welcome to clarity, perfect color balance, and unparalleled comfort. Welcome to the Rendition lens from Method 7 - a new glass technology that not only eliminates all harmful UV rays, but also blocks the harsh yellow HPS lighting. See your plants like never before, in perfect color. Time to believe your eyes.



M7 FRAME
THE RESISTANCE



METHOD SEVEN

YOUR EYES, YOUR PLANTS, YOUR LIFESTYLE
www.methodseven.com | 831.600.7455



From punk to funk and everything in between.

THE SOUND OF THUNDER

The eclectic roar of Stephen 'Thundercat' Bruner.

A Native American headdress. An old skateboard in the corner. Piles of vinyl and anime DVDs. Stephen "Thundercat" Bruner has accumulated a lot of interesting stuff over one lifetime, and he's similarly bridged many disparate musical traditions over his years as a session

bassist for Suicidal Tendencies, Erykah Badu, George Duke, John McLaughlin, Snoop Dogg and brother-from-another-mother Flying Lotus. But it all finally comes together on his debut LP, *The Golden Age of Apocalypse* (Brainfeeder), after literally years in the making.

Indeed, one can immediately tag Stephen as the kind of guy who can't throw anything away. "George Duke heard it yesterday, and he was like, 'Man, this is a collage,'" Thundercat recalls. "[Since] it accumulated over years, for him to see it immediately was kind of cool. But that's what it is: a collage of sound."

Although a jazz player at heart, Stephen has many different musical mistresses.

Although a jazz player at heart, Stephen has many different musical mistresses, from anime soundtracks to hip-hop to electronica to punk. As a result, tracks like the sunny retro-funk of "Walking" and the dreamy reinterpretation of George Duke's "For Love I Come" open up plenty of adventurous, psychedelic aural panoramas for the cannabis-inclined listener.

Unfortunately, Thundercat can't go there with them. Flying Lotus shares this anecdote from a failed session: "I offered him some trees, and he got so high, he couldn't get through his take. He's like, 'Man, my teeth are itching!' 'What?!' 'Yeah, it's so weird! Like, they're itching.' I swore never to offer him weed after that, because we couldn't get anything done. He just ate all my ice cream and passed out."

Thundercat shrugs it off, acknowledging weed as a valuable tool for those who can actually use it. "Stevie Wonder got high and wrote some of his greatest music," he notes. *Justin Hampton*

INTERVIEW

Jason Goldwatch's Trip

Known for the exotic locales of his music videos, which practically drip with trippy imagery, director Jason Goldwatch stopped by the HIGH TIMES office to discuss his love of pot, psychedelics, and pushing the artistic and spiritual envelope. He's shot videos for Jay-Z and Kid Cudi as well as being the co-founder and executive creative director

of the music label (and then some) Decon. His latest projects include Team Ice Cream Vol. 1, a skate video for Pharell's skateboard team; a feature film, *A Million in the Morning*, with ex-Vice editor Gavin McInnes; and videos for Jay Electronica's "Dimethyltryptamine (DMT)" and Pusha T and Tyler the Creator's "Trouble On My Mind."

Does marijuana play a role in your artistic process?

Of course! And I think most intelligent people have come



to understand that we're still evolving. The benefits of this plant are still being discovered, and I think it's our personal duty to explore this infinite state that we're in. So, yeah, drugs are part of my trip—the medicinal regimen that I'm on, the spiritual journey.

So you're into psychedelics, too?

Oh, yeah—I mean, check out the videos. When I put those out, I'm like, "Check this out! Trip out! This shit is a psychedelic right now!"

You directed the notorious "Worst Comes to Worst" video for Dilated Peoples at the World Trade Center just days before 9/11, right?

Yeah, and I remember looking around and thinking to myself, "Just be in this moment now, because you will remember this forever." That was September 7, 2001. That shit fucked me up.

What can you tell us about the legendary "Blueberry Yum Yum" video with

Ludacris? Plenty of times, we've seen artists smoking weed in videos, but very rarely are they shot in a massive, warehouse-sized growroom.

That was on a run that we made over to Amsterdam. The funny thing is, it was even bigger—there were more rooms we didn't shoot in. And the grower was this crazy European guy—I wanted him to come out in a ski mask, and he wouldn't do it unless he could show his face. I ended up doing it...but it was a fun time, for sure.

Any parting words for High Times readers?

Push further. *Danny Danko*

VancouverSeed.Com

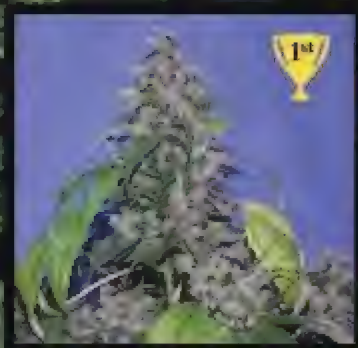
World Class Genetics
Award Winning Breeds

mail order seeds @ www.vancouverseed.com

VSCC



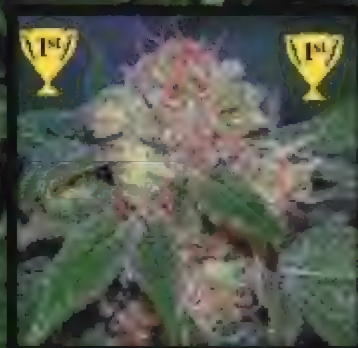
420



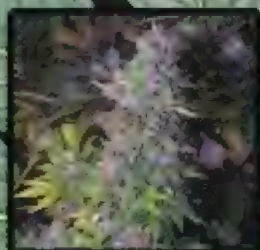
Lady Liberty



GSPOT



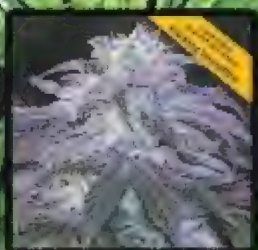
Burmese



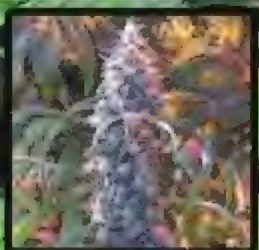
Blackberry



Gold



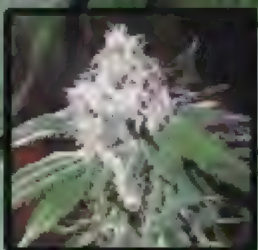
Fucking Incredible



Mother



British Columbian



Kat

10 Seeds

VISC

Per Pack

Vancouver Island Seed Company

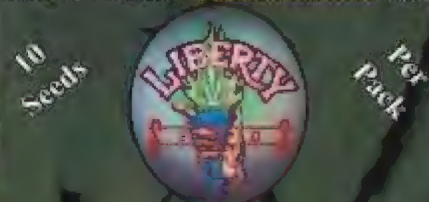
420	\$60
1.3G	\$80
B-Bud	\$75
Beaster	\$100
Bitch	\$65
Black Velvet	\$75
Blackberry	\$85
BlackBurmese	\$90
British Columbian	\$75
Bud Lite	\$62
Burmese	\$85
Burmaberry	\$85
Bush Bud	\$62
Canadian	\$80

FUCKING INCREDIBLE - High Times Top 10 Strains 2008

Che	\$75
Copperhead	\$75
Dubble Bubble	\$75
Eve	\$75
Fucking Incredible	\$140
Gold	\$75
GSPOT	\$105
Indigo	\$80
Jinn	\$85
Kat	\$85
KGB	\$62
Midnight	\$75
Mystic	\$85
Nuclear	\$85
Olympic	\$62
Passionfruit	\$85
Ripper	\$85
Rx	\$75
Sin	\$75

The Legend of the BURMESE See High Times January 2009

Sweet	\$75
The Producer	\$100
THC	\$75
Titanium	\$75
Vertigo	\$75
Virgin	\$62
WMD	\$70
WOWWeed	\$100
VISC Mix	\$50



10 Seeds

Liberty Seeds

Per Pack

Mother	\$70
Stealth	\$75
Lady Liberty	\$85
Infinity	\$65
Justice	\$70

GSPOT High Times Top 10 Strains of 2009

Read about VISC's Induction into The Seed Bank HALL OF FAME in the August 2009 issue of High Times

Complete this form, or on a separate paper, include the product name, quantity, item price and order total. Send along with payment in the form of CASH or BLANK Money Order to:

V.M.H.

PO Box 298 - Station A
Nanaimo, BC Canada
V9R 5K9

Include \$7.00 Shipping & Handling - (Add \$15 for Rush Orders)

We ship World Wide Discreetly!

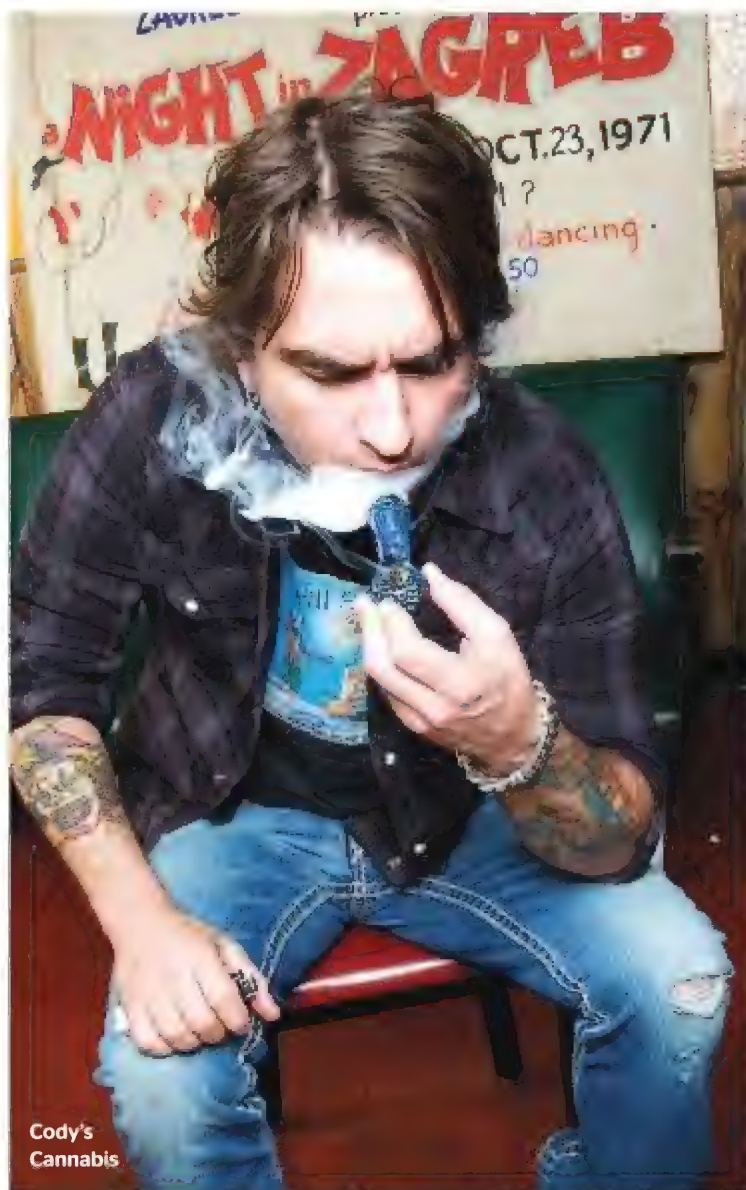
Product Name	Quantity	Subtotal	Total

Name _____
Address _____
City _____ Province _____
Postal _____ Country _____

Subtotal _____
Rush _____
S&H \$ 7.00
TOTAL _____
☐ Include \$10 for Photo Catalogue CD.

Pot-pourri Special
VISC Mix with each Order
That's TEN Free Seeds!

Acquisition of live cannabis seeds is illegal in the United States. Cannabis growers and consumers are one of the largest unrepresented blocks of voters in the world. This can change. We can end the persecution of innocent people, have more affordable Marijuana and a more peaceful world; if we stand up for our ground and demand it. De-criminalize Cannabis and instead of spending our tax dollars destroying lives, money could be spent building our schools and hospitals or used to reduce our debts. Legalize and tax Marijuana and the income generated can change our world. Grow and help the world grow too.



SWEET HOME MARIJUANA

Cody Canada shows that those Red Dirt cats know their green.

"Them boys from Oklahoma roll their joints all wrong, / They're too damn skinny or way too long": So begins "Boys From Oklahoma," a song by singer Cody Canada's first band, Cross Canadian Ragweed, now defunct. It goes on to slag Kansas weed ("I got some [weed] in my guitar case and I'm not the type to brag / But it's a damn sight better than that Kansanian schwag") and herald Louisiana, where, though the gators eat all the seeds, "On a bayou night by the light of

a full moon / You can walk out and pick you a sack full of 'shrooms."

Canada was first moved to start writing music thanks to a place on the Stillwater, OK, scene called "The Farm," where area songwriters and musicians hung out, partied and played for each other. It so inspired him that Canada, Jason Boland and Stoney LaRue created their own songwriters' refuge, known as the "Yellow House."

All three are now icons of the burgeoning Texas-Red

Dirt scene. The sound's a bit hard to define—a blend of outlaw, Texas country, honky-tonk, jam band improvisation, folk and rock whose balance varies widely from band to band. What unites them all is a stoners' sense of camaraderie and the willingness to help each other out, frequently sharing the stage whatever their particular sound.

It's a spirit that remains even though Cross Canadian Ragweed has moved on. Canada started a new band, Cody Canada and the Departed, with Cross Canadian Ragweed bassist Jeremy Plato. Their first album, *This Is Indian Land*, is a collection of songs by those early-'90s Red Dirt songwriters.

"That was the perfect vehicle for the Departed, instead of rushing an album and getting it out and then thinking, 'I wish we'd written *this* line or played *that* differently,'" Canada says from his New Braunfels, TX, home. "We knew what to do with these songs, because it's much easier to recreate somebody else's work and maybe put your stamp on it than it is to rush your own stuff."

While they don't perform "Boys From Oklahoma" anymore, they do pull out a handful of vintage Cross Canadian Ragweed tunes, including "51 Pieces," about the time their bus was raided by Cleveland cops. It happened several years ago, shortly after the band pulled out of the House of Blues parking lot early one morning. The cops stopped the bus and entered it with guns drawn, and when Ragsdale complained that his rights were being violated, he was thrown in the back of a squad car. Canada's entreaties also fell on deaf ears.

Canada actually received his first vaporizer from none other than Willie Nelson.

"I said, 'I'm going to tell you right now: You're going to find pot—and that's it,'" he recalls. "And not enough for us to go to jail, I promise, because we're out.' We sat outside by the side of the road, and one cop lipped off: 'We're the guys that pulled over Snoop Dogg!' So they come off the bus with two trash bags, and it was all pipes, and that cop was laughing his ass off: 'There's 10 of you guys on this bus, and I counted 51 pieces of paraphernalia. Are you collectors?' And I said, 'No, dude, we're potheads. We buy a pipe, we smoke out of it and we lose it, then buy another one.'"

In the end, no one was charged, and the band were sent on their way minus the pipes—a rolling boon to the next headshop they came across. These days, you'll find Canada and band using fewer pipes, since most of their smoking is done from a Volcano they've dubbed "Marge" because of the way the tall, vertical bag resembles the *Simpsons* character's hair. Canada actually received his first vaporizer from none other than Willie Nelson, with whom they were touring near the Mexican border.

"At first, we thought that was really cool: 'He just gave us a gift!' But what he was doing was getting rid of it so he didn't get checked by the Border Patrol," Canada chuckles. He just hopes that his own luck will hold out better than Willie's has lately.

Chris Parker



5 songs about pot by other Red Dirt artists

- Jason Boland & the Stragglers, "When I'm Stoned"
- Eleven Hundred Springs, "Get Through the Day"
- Brandon Jenkins, "Gideon's Bible"
- Reckless Kelly, "Wiggles and Ritalin"
- Red Dirt Rangers/Stoney LaRue, "Idabel Blues"

ALL IT TAKES IS...
JUST ONE TOUCH
INTRODUCING...

WHIZZINATOR *Touch!*

Alternative Lifestyle Systems is proud to announce
the **ALL NEW Whizzinator Touch!** The first touch
activated urinary device delivering quiet, high quality
synthetic urine.

Includes:
1 Whizzinator Touch!

1 Instruction Manual

4 Heat Pads

1 Synthetic Urine

1 Syringe

THE WHIZZ+KIT

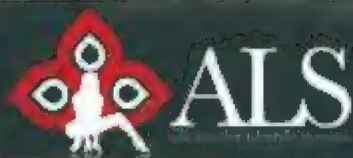
Call for Special Pricing



The first ever PREMIXED Refillable Urine Kit.
Includes: Over 3oz of Premixed Synthetic
Urine, Two Organic Heat Pads, 1 Syringe, and
1 Instruction Manual.



SE HABLA ESPAÑOL



Alternative Lifestyle Systems

(888) 895 7016 www.THEWHIZZINATOR.com



BRIAN'S SONG

The most famous 'lost' album in rock'n'roll history is finally here.

Can an album be "perfect" if it's never been released? Such is the debate stirred by the Beach Boys' *SMiLE*, the mega-ambitious 1966-'67 concept album from BB visionary Brian Wilson and mercurial lyricist Van Dyke Parks, which was expected to be the ultimate musical statement of the psychedelic '60s. Conceived as a "teenage symphony to God," the LP was shelved for 44 years—until now, with Wilson granting the release of the vaulted, vaulted tapes.



SMiLE
The Beach Boys
(Capitol Records)

Consider this the definitive version of *SMiLE*—vastly superior to *Smiley Smile* (the half-assed compromise of late '67), outranking Wilson's critically acclaimed 2004 reconstruction.

SMiLE bursts ear to ear with a procession of mind-blowing epics, starting with the acid barbershop splendor of "Heroes and Villains," going beyond the "pocket symphony" production promised by album closer "Good Vibrations." "Do You Like Worms (Roll Plymouth Rock)" may be the LP's underrated masterpiece, while the sublime majesty of "Surf's Up" is the creative apex of the Wilson/Parks collaboration, with its dramatic orchestration and piano balladry as Van Dyke hits his lyrical apogee with "The music all is lost for now...to a muted trumpeter swan."

If you invest in the box, you'll get a hardcover book, artwork, liner notes and rare pics, a vinyl double LP and two 45 singles. The four bonus discs offer detailed breakdowns of the creation of the multi-part songs, Wilson-as-producer conducting the "Wrecking Crew" studio musicians, clowning banter and contributions from Brian's late brothers, Carl Wilson on "Tune X" and Dennis Wilson on "I Don't Know." While not perfect, this release leaves no doubt that *SMiLE* is one of the greatest albums in rock history...finally. *Mark Miller*

MUSIC REVIEWS



Mastodon
The Hunter
(Reprise)

The new album from Mastodon inspires stunned disbelief of the best kind. On their fifth full-length, they emerge sounding as focused and streamlined as they've ever been. It's not that they've necessarily changed their art-metal blend of pulverizing bottom-end crush,

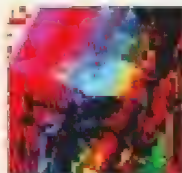
searing prog-inflected guitars and spacey expansiveness abutting brutal intensity. Far from it: They've simply titrated it down to a single brain-melting shot. The gruff griminess that colored the edges of their four prior albums has been polished down to slick locomotive steel. *Chris Parker*



The War on Drugs
Slave Ambient
(Secretly Canadian)

Hailing from Philadelphia, The War on Drugs definitely come down on the side of hazy, blissed-out shimmer. The band started out in 2005 as a quartet led by singers/guitarists Adam Granduciel and Kurt Vile, but that changed with Vile's departure in 2008 to pursue his solo career. (He has

since signed with Matador, where he's garnered significant underground buzz.) Slimmed down to a trio, the band's lo-fi Americana elements gave way to a more steadfastly psychedelic approach deeply informed by Paisley Underground pioneers The Dream Syndicate. *Chris Parker*



Caveman
CoCo Beware
(Magic Man! Records/ORG Music)

Somewhere beyond Fleet Foxes and Grizzly Bear lie the mellowed-out mammals of Brooklyn's Caveman. There is much to contemplate on this gorgeous debut: the judicious use of psych rock ("Thankful"), the hint of tribalism ("Vampire"), the smart indie-pop choruses ("Old Friend"),

and the underlying roots rock that brings it all back down-to-earth. This is music made for stoners—and most of the fivesome are avowed devotees of weed. Besides, if songs like the sweeping, wistful "Decide" don't make you melt on impact, then probably nothing can. *Nisha Gopalan*



The Black Keys
El Camino
(Nonesuch Records)

This guitar-drum duo has been churning out thumping blues-rock for over a decade now. Scores of music supervisors have lapped up those riffs, which ultimately won the Black Keys' last album three Grammys. *El Camino* doesn't sate those follow-up expectations so much as

pleasantly confuse them. The quirk-pop sensibility of producer Danger Mouse can be found all over this melodic curiosity, which shimmers with tambourines and xylophones and cymbals. This twosome couldn't pen a bum tune if they tried; see the surf-rock "Lonely Boy" for proof. *Nisha Gopalan*



Mike Patton
The Solitude of Prime Numbers
(Ipecac Recordings)

Not only did Mike Patton create yet another excruciatingly beautiful album with 2010's *Mondo Cane*, but followed-up with an incredibly moving film score. The film, based on the international best-selling novel, *La Solitudine dei Numeri Primi* by Paolo Giordano, yanks on the heartstrings with its

story of lonesome Mattia and Alice, who can't seem to make their parallel lines intersect. Patton's music for this forlorn tale of unrequited love was composed in his usual eerie, operatic way—because no one can capture the feeling of heartache, want or longing like Mike Patton. *Natasha Lewin*



HAVE YOU SEEN MY... **MONSTER GARDEN?**



WWW.MONSTERGARDENS.COM

DISCREET SHIPPING!



Fantech

FISKARS



GENERAL
HYDROPONICS



OAKTON
INSTRUMENTS



HUMBOLDT
NUTRIENTS



CLONEX



BETTER FORMULAS
BETTER QUALITY
BETTER YIELDS
BETTER BUY
GREEN PLANET!



2011 has been
a great year!

1st Place Cup Winner
of the Treating Yourself Expo 2011

Winner of the
Best Nutrient Company of the Year
Grow Expo 2011, Madrid, Spain

...350 judges
can't be wrong!



Toll Free: 1-866-913-4769
604-580-1287
www.mygreenplanet.com

IT'S TIME TO 420.COM

What are the must-read pot-centric stories of the day? You tell us. Get online and get involved in shaping stoner news.

Websites like *fark.com* and *reddit.com* have revolutionized the way we receive news. While the reporting is handled by professionals, consumers have the opportunity to submit headlines they believe are newsworthy, and, in a very democratic process, other readers vote up (or down) the articles they like best.

Based on this successful model, HIGH TIMES has developed *420.com*—a site that allows its community to submit pot-centric news headlines that are then voted on by readers. This gives the 420 community a direct hand in the dissemination of marijuana-related news. What's exciting is that the same important pot stories the mainstream media has decided to play down—or ignore altogether—are made available in a single location for its audience.

At *420.com*, the community has the power, not some international media mogul with ties to the Bilderberg Group...or whatever. So, check us out at *420.com*. If you like what you see, get involved and sign up. Soon you'll be posting the headlines you think stoners all over the world should be reading, as well as voting on other important cannabis news.

Plus, *420.com* will even bring the news to you. After signing up, members can opt to receive a daily newsletter containing all the trending pot stories recently added to the site.

Check out *420.com* and take control of your marijuana news consumption!

► Activist Campus of the Month

Last year, the Ithaca College chapter of SSDP worked hard to help assure the passage of the New York State 911 Good Samaritan Law, which allows any citizen to call for medical assistance during a drug or alcohol overdose without fear of being charged or prosecuted for drug possession. Now they are turning their efforts to lobbying the state government to pass its long delayed medical marijuana bill.

Learn more at hightimes.com/tags/ssdp

MISSHIGHTIMES.COM



Miss March
2012

NAME: Emily
PROFILE: Emiliaryn
AGE: 20
CITY: Haslett, MI
OCCUPATION:
Student, deli worker
To enter or rate contestants
go to misshightimes.com.
You must be 18 years or
older to enter.



The
FINEST CANVAS



Order your 2012 Calendar **ONLINE!**
FINESTCANVAS.COM

**PRE-ROLLED
PAPER CONES**

CONES
since 1994

SMOKECONES.COM

The new way to smoke!

www.smokecones.com



MUNCHIES

SHEPHERD'S POT PIE

Comfort food for
stoners.

THERE ARE FEW dishes in this world as comforting and filling as shepherd's pie. When I was growing up, this family favorite tasted so good after a long, hard day working on the farm. Or at least that's what dad would say—I was a blatant chore deflector and would hide out with a book

and some drawing paper whenever I thought I could get away with it. Still, shepherd's pie *is* the best.

It didn't take long once I'd moved from what was once a small town in Oregon to the Big Apple's backyard (New Jersey) to figure out that the plethora of Irish pubs in New York City were a haven for savory shepherd's pie, proper pints and family-style hospitality. Win, win, win.

But I wouldn't be my mother's daughter if I couldn't whip up this meaty, potato-packed pie by myself. Being that it's my kitchen, I've naturally added a couple of modifications for my own specialized brand of comfort food.

This hearty meal is enough to fill up anyone from a spent farmer to a completely munchified stoner.

—Mary Ought Six

IRISH HIGH PIE

2 tbsp cannabis butter (using
¼ oz finely ground marijuana)
4 large russet potatoes,
peeled and cubed
¼ cup shredded cheddar cheese
1 large onion, chopped fine
(but separate out 1 tbsp)
1 tbsp extra-virgin olive oil
1 lb ground beef
4 large carrots, finely diced
1 cup flash-frozen peas
1 tbsp butter
2 tbsp flour
1 half-pint of Guinness stout
3 tbsp ketchup
2 tbsp Worcestershire sauce
1 cup beef stock
1 egg, beaten
Salt and pepper to taste

the cannabis butter, the separate tablespoon of finely chopped onion and ¼ cup of shredded cheese. Season with salt and pepper to taste, then set aside.

Preheat the oven to 400°F. Sauté the carrots in the olive oil until a bit tender. Add the remaining onions and sauté for a minute or two. Add the meat and season with pepper. Cook until the meat is browned, then drain the fat. Add the non-medicated butter and peas. Sprinkle flour evenly over the mixture and stir.

Add the ketchup, Guinness and Worcestershire sauce. Feel free to enjoy the rest of the stout while cooking.

Let this reduce slightly, then add the beef stock. Once you have a thick, meaty gravy, season to taste and remove from heat. Grease a 9" x 13" oven-safe dish with butter and add the meat mixture.

Spoon or pipe the ganja potatoes over the top. Brush with the egg and sprinkle with a bit of extra shredded cheddar if desired.

Bake for about 20 minutes or until the potatoes are golden brown.

Stones 6-8.

Prepare the cannabis butter by melting two tablespoons of unsalted butter in a double boiler over low heat. Add the finely ground marijuana, stirring occasionally for 35 to 45 minutes. Strain the plant matter through cheesecloth and set aside.

Bring a large pot of salted water to a boil. Add diced potatoes and cook until tender but not falling apart, around 15 minutes. Drain and mash. Mix in

Inventors of prize winning systems

POLLINATOR
The home of homemade hash since 1994

Bubbleator
The quickest route from trash to stash!

Get ready Start your run 5 minutes later

Create prize worthy resin using the original Amsterdam

Pollinator Company
Nieuwe Herengracht 25
1011 RL Amsterdam
The Netherlands
[t] +31-20-4708889
[f] +31-20-4715242
[w] www.pollinator.nl
[e] info@pollinator.nl

Ice-O-Lator Pollinator



The **PUREST**
organic **EXTRACTS**
on Earth!

"Most Potent • Guaranteed"

RESEARCH PRODUCTS (not for human consumption)



Fly Agaric Grade A Caps
Amanita muscaria



Fly Agaric 10:1 extract
Amanita muscaria



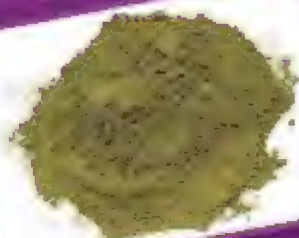
Damiana 50:1 extract
Turnera diffusa



African Dream Seed
Entada rheedii



Kanna 50:1 extract
Sceletium tortuosum



Kratom 100:1 extract
Mitragyna speciosa



Blue Lotus 50:1 extract
Nymphaea caerulea



Hawaiian Baby Woodrose
Seeds - *Argyreia nervosa*

10% OFF / ONLINE COUPON

go to www.puresel.com and enter the code
below for a 10% discount on your next
purchase

▼ **ENTER CODE** ▼

HTA0312

WWW.PURESEL.COM

*not for human consumption

For more information about
our full line of Pure Sel™ products
call us at 855.473.9957



HOT PRODUCTS

What's new for cannabis cultivators and connoisseurs.

1 Grow Up

\$4,495 plus freight
supercloset.com

Maximize space and go vertical, thereby tripling your harvest. The 5' x 5' **Buddha Box Vertical Grow Room** from Supercloset stands 7 feet high and uses two super-cool, dimmable Lumatek 400-watt high-pressure sodium (HPS) lights to grow up to 48 plants. The plants grow in toward the vertically positioned lights to produce bigger yields and take advantage of all that extra surface area. This unit will pay for itself in no time.

2 Magnetic Attraction

\$19.99

lightermate.com

At the recent HIGH TIMES Medical Cannabis Cup in Detroit, MI, **LighterMate** won Best Product of the Expo. Why? They're magnetic! These simple, colorful lighters stick to any metal surface, thereby reducing the risk of losing them. LighterMates are easy to refill and made with "green" materials. LighterMate also markets slick oversized grinders for party rolling.

3 Nutrient Needs

\$27.99 1.1 US gal.

mygreenplanet.com

Looking for a 100% organic product without the foul odor of many liquid fish solutions? Try **Medi-One** from Green Planet Nutrients. Consisting of Norwegian sea kelp, blood meal, sulfate of potash, humic acids and plenty of steamed Atlantic menhaden (herring), Medi-One provides a well-balanced plant-feeding regimen. The N-P-K ratio of 4-3-3 and numerous trace elements allow you to use Medi-One in both the vegetative and flowering stages of growth.

4 Bowl in One

Price Varies

bighittergolfpipes.com

Hitting the links high is essential. So, the next time you find yourself debating whether to use wood or iron, don't stress: Either one delivers a clean stroke. That's because **Big Hitter Golf Pipes** are designed to help you "make the green" on every hole. Both "drivers" come with easy-to-clean bowls. You'll never hook or slice when you address the Big Hitter Golf Ball Pipe. Fore!



BARNEY'S FARM

Seed Company®



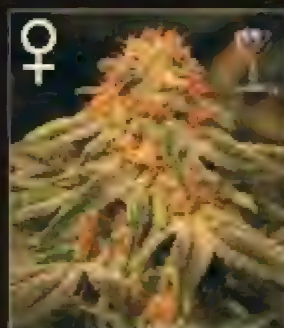
HIGH TIMES CHAMPION 2011



Liberty Haze



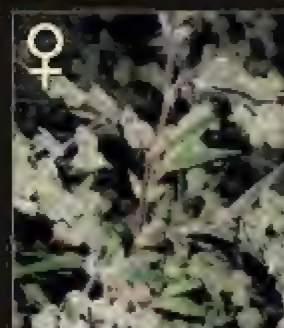
Tangerine Dream



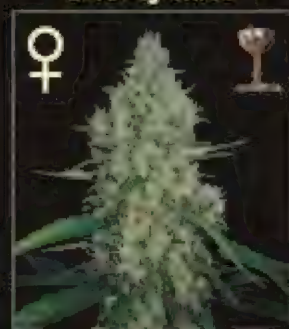
Vanilla Kush



Blue Cheese



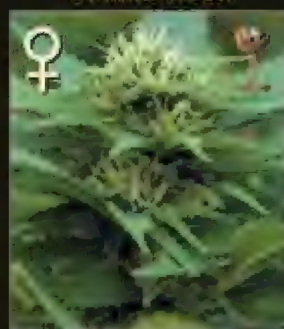
Dr. Grinspoon



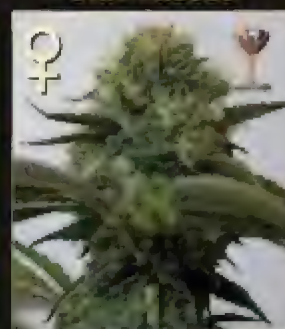
G13 Haze



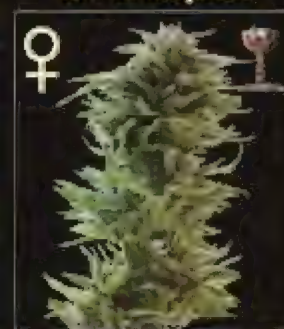
Pineapple Chunk



LSD



Top Dawg



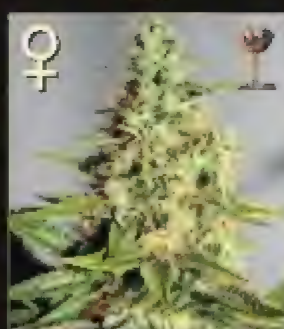
Amnesia Lemon



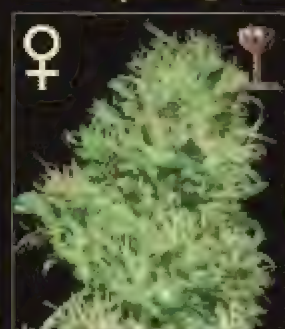
Sweet Tooth



Crimea Blue



Acapulco Gold



Utopia Haze



Laughing Buddha



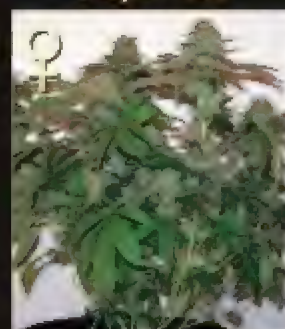
Morning Glory



Night Shade



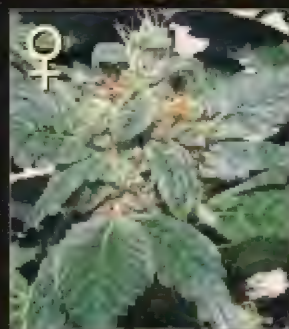
Honey B



8 Ball Kush



Red Dragon



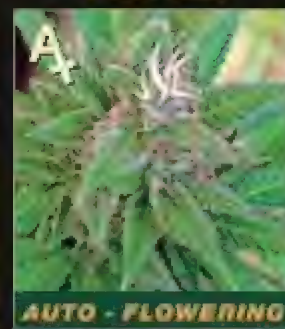
Red Diesel



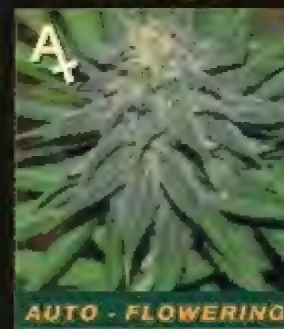
Phatt Fruity



Red Cherry Berry



Little Cheese



Pineapple Express

WWW.BARNEYSFARM.COM

ACQUISITION OF LIVE CANNABIS SEEDS IS ILLEGAL IN THE UNITED STATES. IT IS AVAILABLE IN EUROPE AND IN OTHER COUNTRIES IN THE WORLD.

Barney's Farm is a registered trademark of Barney's Farm Seed Company and is used with permission.

TOP 5 STRAINS

1
KUSH
\$3862
DIESEL
\$4093
PURPS
\$3854
HAZE
\$4005
BLUE DREAM
\$345

(Chem Dog)
"So stinky—beautiful buds, great high. Pricey, but worth it if you can swing it."
New York, NY

(Jack Herer)
"Grown locally. Some of the best stuff I've smoked. I think Jack would be proud."
Boston, MA

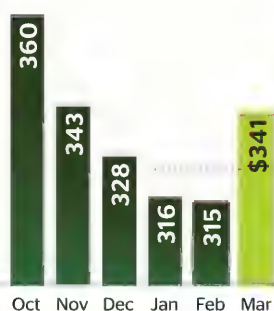
MARKET ANALYSIS

Prices by the ounce

Once again, Kush landed in the top pot spot, narrowly edging out Diesel as the month's most submitted strain. Kush has been the market's most submitted strain for 13 of the last 15 months. Diesel, Purps, Haze and Blue Dream all made repeat appearances in the top five this month.

US Price Index

YTD Average: \$324



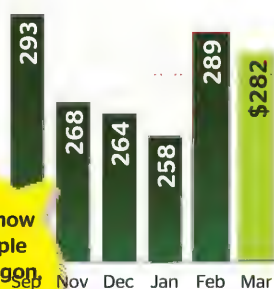
Kind Index

YTD Average: \$406



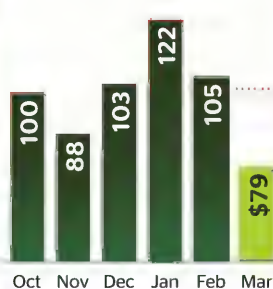
Mids Index

YTD Average: \$276



Schwag Index

YTD Average: \$102



(C-99)

"Hard to believe how much some people pay for pot. In Oregon, supply definitely exceeds demand—which isn't easy."
Eagle Creek, OR

TRANS HIGH MARKET QUOTATIONS

STATE	CITY	STRAIN	PRICE
Arizona	Phoenix	Acapulco Gold	\$330
		Bubblegum	330
California	San Diego	Purple Bubba Kush	350
	San Jose	Cherry Bomb	225
		Querkle	250
		Headband	360
Colorado	Denver	AK-47	350
		Kush	325
	Pueblo	Cherry Widow	325
Connecticut	New London	Sour Diesel	400
Florida	Melbourne	Purple Kush	400
Hawaii	Honolulu	Super Silver Haze	300
		Lemon Kush	320
Kentucky	Louisville	Strawberry Cough	275
Maine	Portland	White Berry	400
Massachusetts	Boston	Jack Herer	425
Michigan	Detroit	Super Lemon Haze	375
Minnesota	Minneapolis	Kandy Kush	400
		Super Lemon Haze	400
Montana	Missoula	Trainwreck	250
Nevada	Las Vegas	Chem Dog	400
New Jersey	Long Branch	Kush	420
New York	Buffalo	Blueberry	320
		Chem Dog	560
		Sour Diesel	500
		Strawberry Cough	470
New York	New York	Sour Diesel	500
		Strawberry Cough	470
North Carolina	Raleigh	Bubblegum	500
Ohio	Dayton	Kush	480
		Sour Diesel	360
		Lemon Drop	350
Ohio	Huber Heights	Sour Diesel	360
		Lemon Drop	350
Oregon	Eagle Creek	C-99	240
Pennsylvania	Pittsburgh	Purps	375
Texas	Houston	White Widow	285
		Sweet Tooth	275
		Northern Lights	325
Virginia	Martinsville	Blue Dream	380
		Blueberry	420
Washington	Bellingham	Blue Dream	280
		Jack Herer	300
Washington	Seattle	Blue Dream	280
		Jack Herer	300
West Virginia	Morgantown	Cheese	380
		Grape Ape	370
Wisconsin	Madison	Headband	350
		White Widow	300

INTERNATIONAL

Canada (prices listed in Canadian dollars)	Brantford Hamilton	Blueberry	C\$160
		Kush	240
		Super Lemon Haze	275
		Regs	140

We want to know what you're smoking! Submit your strain information, including location and price by the ounce, to thmq@hightimes.com.

(AK-47)

"There's great pot around every corner. The AK is a personal favorite of mine. Love this town!"
Denver, CO

BUDDHA

SEEDS

4G

08:20 am

WHITE DWARF

A classic among autoflowering strains.

100% Auto.

Harvest in 65 days.

5 Feminized Seeds
40€



BUDDHA PURPLE KUSH

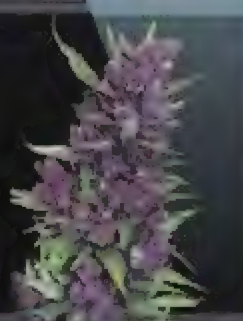
Speed and taste.

100% Purple.

100% Auto.

Harvest in 65 days.

5 Feminized Seeds
35€



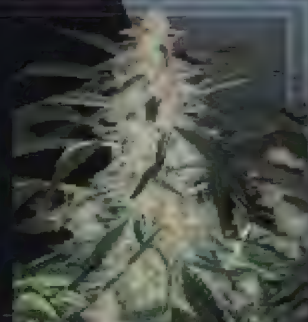
DEIMOS

The most powerful and productive autoflowering variety.

100% Auto.

Harvest in 65 days.

5 Feminized Seeds
40€



QUASAR

A perfect balance between indica and sativa.

No autoflowering.

5 Feminized Seeds
45€



SYRUP

Taste and power, delicious!

100% Auto.

Harvest in 57 days.

5 Feminized Seeds
35€



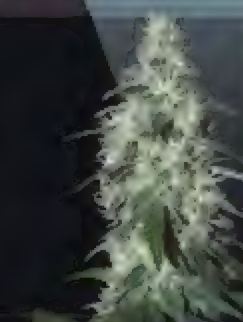
PULSAR

Supersative and superproductive.

No autoflowering.

Harvest in 75 days.

5 Feminized Seeds
45€



RED DWARF

Compact and powerful.

100% Auto.

Harvest in 60 days.

5 Feminized Seeds
30€



ASSORTED AUTO

The best autoflowering mix.

100% Auto.

10 Feminized Seeds
35€



www.buddhaseedbank.com





NEW PRODUCT RELEASE

* JD-Lightings' new product line is here to assist with your hydroponic needs. Durable and affordable, we provide only the best.



JD Electronic Ballast

600W & 1000W

Our signature electronic ballast provides solid light output. Power it up with a 600W or 1000W.



Y-Connector

6 X 6 X 6 & 8 X 8 X 8

Allows multiple areas to be vented with a single fan by splitting one duct into two. Available in 6"x6"x6" and 8"x8"x8".



JD Reflectors

6" & 8"

Cover the space you need with our 6" or 8" XXXL Reflectors and Air Cooled Reflectors.



Ratchet Light Hanger

1/8"

For easy reflector adjustments, this pulley system is easy to use, locks in place and holds up to 150 lbs.



JD T5

2ft & 4ft - 2, 4, 6, 8 tube sizes

Your plants will thrive under our 4 foot or 2 foot T5 fluorescent light fixtures during it's growth stage at 6500K. Available in 2, 4, 6, and 8 tube sizes.



JD Grow Tents

10 X 10 X 7 & 4 X 4 X 7

JD grow tents are built strong, made from non-toxic, 100% light-proof, high reflective mylar material using galvanized poles, metal joints and double locks.

A BEGINNER'S GUIDE TO GROWING MARIJUANA INDOORS



You've finally made the decision to grow your own cannabis under lighting indoors. What comes next? Danny Danko provides a primer for getting started, from choosing the best possible location to making it from seed to harvest successfully without ever leaving your home.

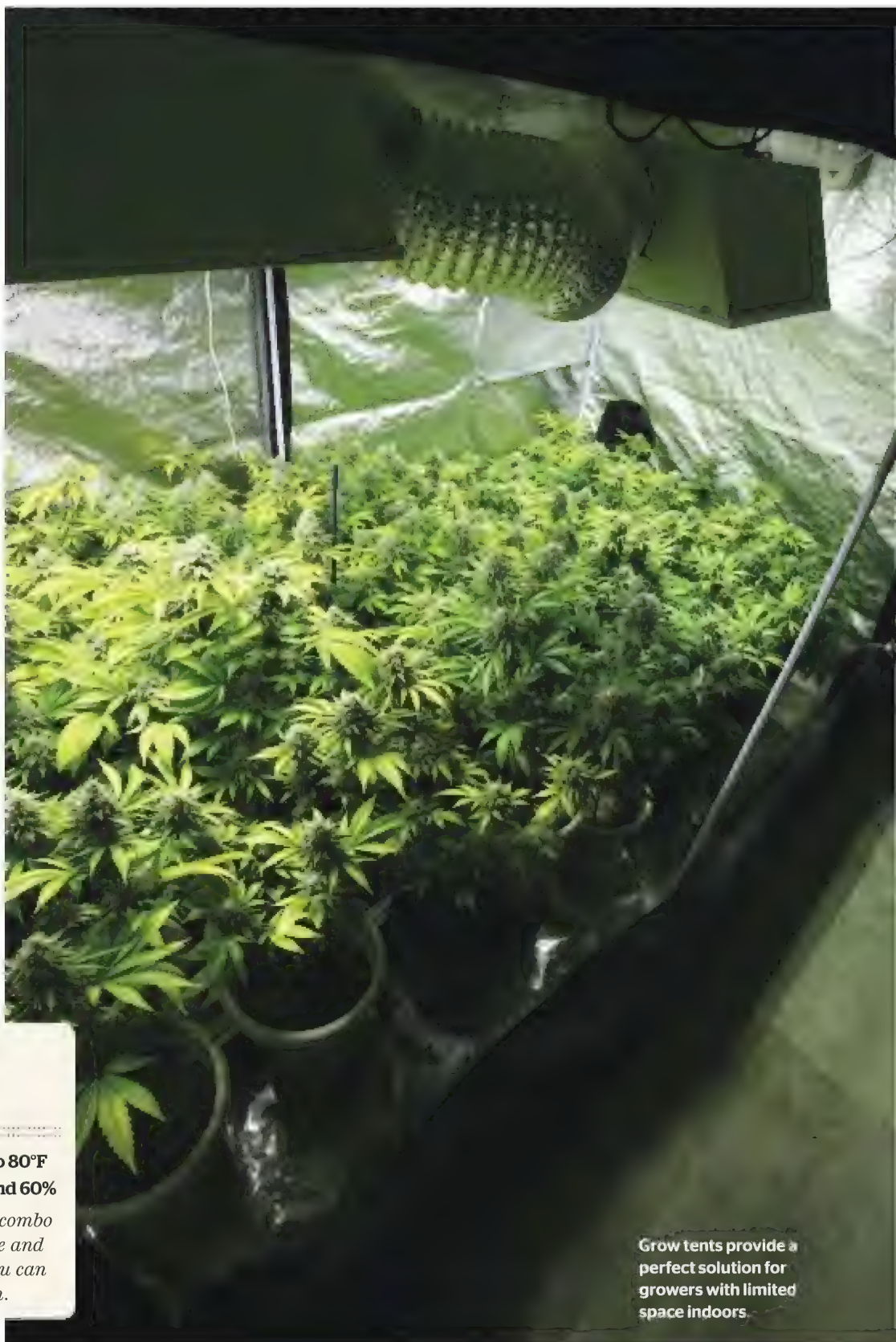


Nature's Way

A plant's natural habitat is outside, in nature, with full sunshine beaming down and roots planted firmly into terra firma. The checks and balances of wind and rain, coupled with prime planting conditions, result in huge, strong trees laden with heavy buds.

Indoors, a whole different set of criteria apply. Since there's not nearly enough light, you must provide it. Oscillating fans and watering wands duplicate wind and rain. Above all, understanding how to control the environment is the single most important factor separating the fruitful indoor pot producer from those who never seem to get it quite right.

Frigid cold or searing heat does serious damage to sensitive plant tissues. A bone-dry humidity level or overly moist atmosphere can cause serious problems quickly. Many times, plant death is the result, and even those that don't perish are never the same again. If you plan to cultivate cannabis without considering how to maintain a proper growing environment indoors, you can expect severely diminishing returns.



Grow tents provide a perfect solution for growers with limited space indoors.



A digital readout captures highs and lows in growrooms.

INDOOR TIP

- Maintain the temperature at 70°F to 80°F
- Keep the humidity between 40% and 60%

A good thermometer/hygrometer combo will let you know the temperature and humidity levels at all times so you can act accordingly to maintain them.

Cannabis Indoors 101

Assuming you've never grown a plant indoors before in your life, let's consider the following and truly start at the beginning. Marijuana is an annual plant, meaning it grows from seed in the spring, puts on leaves and branches throughout the summer, flowers during the fall, then goes to seed and dies. The fallen seeds, dormant through the winter, sprout again in the warming earth of spring. This is as opposed to the perennials, which live year after year


from the same rootstock.

Indoors, you are re-creating the summer and fall seasons by using a timer on your lighting. The "summer," or vegetative stage, requires 18 to 20 hours of light per day, while the "fall," or flowering stage, needs 12 hours of light and 12 full hours of darkness in order to trigger the plant to build buds on its branches. A typical vegetative time is three to four weeks, and flowering generally takes around eight or nine weeks, so plan

accordingly. Also, always include a week to dry and a few weeks to cure in your schedule. The best indoor growers keep copious notes and use a calendar to ensure that their timing is right.

Room, Tent or Growbox?

First you need to decide on a location for your grow. A spare bedroom is ideal, but an area set aside in your basement or attic can work as well. Closets and storage areas

A photograph of a large indoor cannabis cultivation facility. Rows of cannabis plants are growing in black pots, supported by tall bamboo stakes. The plants are lush green and appear to be in the flowering stage. Above the plants, several large, rectangular grow light fixtures are suspended from the ceiling. In the background, silver flexible ducting for ventilation is visible. The overall environment is a controlled indoor space designed for optimal plant growth.

Grow lights with in-line cooling fans and ducting reduce heat significantly at plant level.



INDOOR GROW FAQ

► How do I start my plants from seeds?

Plant seeds directly into pre-moistened soil in plastic cups about a quarter to a half-inch deep and then tamp it down to cover them. Place the cups under fluorescent light in a warm place, and you should see a growing shoot within three days. Transfer the shoots into larger containers and put them under an MH lamp for their vegetative stage.

► Do I feed my plants differently as they grow?

Yes. Plants require different nutrient regimens depending on their stage of growth. Vegetating plants need a fertilizer high in nitrogen, while flowering plants need more phosphorus and potassium. Also, younger plants need less food than older ones with well-developed root systems. The last week or two before harvest should be reserved for feeding your plants plain water only to flush out any leftover nutrients.

► How far should my grow lights be from my plant tops?

A general rule is approximately 1 foot away, but this varies depending on your choice of lighting: 1,000-watt HPS lights should be kept 18 inches or so from the canopy level, while a bank of fluorescent lights can be a bit more than 3 to 4 inches from the growing shoots. Put a light too close and you'll burn your plants; put it too far away and they'll stretch due to a lack of light. You'll also need to either raise or lower the lights or your plants as they grow, so factor that into your growroom design.

► How will I know when to harvest?

Use a loupe or a strong magnifying glass or scope to take a very close look at the trichomes (the tiny, glandular stalks and heads sometimes referred to as "crystals"). Up close, they'll resemble little glass mushrooms with a stem that forms a clear, round, bulbous top. Inside that gland head reside the cannabinoids (CBD, CBN, etc.), including the psychoactive compound known as THC. Harvest when the majority of these gland heads begin to go cloudy white, but before they're completely amber—although you can harvest when they're mostly amber if you desire a more lethargic stone.



Examine trichomes closely to determine when to harvest your indoor crop.



Harvest when the majority of the gland heads begin to go cloudy white, but before they're completely amber.

are easily converted into small gardens, but for stealth purposes, you may want to consider a tent or growbox. Tents can be set up quickly and taken down just as fast, making them an ideal choice for growers concerned with stealth, while many of the growboxes on the market today allow you to control virtually everything inside them with precision. You can monitor ventilation, lighting and feeding schedules as well as every other environmental factor, and most of these growboxes look like simple storage units or large toolkits.

Indoor Grow-Light Options



Regular incandescent bulbs will not work for growing cannabis, so you must consider other options. Determining which type and

wattage of lights to use really depends on the area you've reserved for your garden. High-intensity discharge (HID) lights are too much overkill for a "micro-grow" located inside a cabinet or small fridge, while fluorescents are hardly ideal for an 8'x8' room. Heat and electrical costs can also be limiting factors, so choose wisely and be sure to tailor the lighting to suit your space.

► **HID lamps** such as MH (metal halide) and HPS (high-pressure sodium) are the lighting of choice for most indoor growers, and with good reason. A variety of wattages, from 150, 250, 400 and 600 to the mighty 1,000-watt versions, make HIDs versatile and yet unmatched in their ability to deliver the essential lumens needed for plants to thrive inside. A mixture of the two spectrums is

WORK LESS, GROW MORE

www.cabinetgrow.com



B46 Bloom Cabinet

The B46 is designed to grow from seed or clone all the way through harvest. Some features include:

- 600w HPS Bulb
- 600w digital ballast w/dimmer
- 6" heavy duty in-line duct blower w/ carbon filter
- DWC / Aeroponic nutrient delivery



N46 Veg Cabinet

The N46 is able to grow mothers, clones, veggies, & blooming plants to full maturity.

- Energy efficient lights for both bloom and veg stage - CFL, HO T5, LED*
- 4" heavy duty in-line duct blower w/ carbon filter
- All you need to Plug & Grow



Also included with **EVERY** system...

- Heavy duty in-line duct blower
- Heavy duty in-line carbon filter
- DWC/Aeroponic nutrient delivery
- EZ Flush drain / nutrient exchange
- 3 year bumper to bumper warranty
- First Full Cycle of Nutrients (SuretoGrow)
- Lifetime Customer Service
- Instructional DVD and Manual

RECEIVE 2 FREE LEDS

by purchasing a 46 series grow cabinet

Visit our website and enter coupon code: **HTLED**



888-54-HYDRO (888-544-9376)
premium indoor hydroponic grow cabinet manufacturer



Because hot air rises,
vent heat from the
top of your growroom
using an exhaust fan.



ideal, but the prevailing wisdom is that MH lights are better for stacking nodes during the vegetative stage, while HPS lights more closely mimic the golden-red glow of autumn sunshine. In terms of size, 400 to 600 watts can cover a 3'x3' to 4'x4' footprint, while 1,000-watt lights a 5'x5' space well.

► **Fluorescents and CFLs** (compact fluorescent lights) work great for growers trying to keep costs down or those who need to minimize heat buildup. Clones and vegetating plants in particular can benefit from fluorescents, especially when used to supplement an MH light. Plenty of indoor growers have coaxed nice buds out of plants using fluorescents and CFLs, but they generally don't see the kind of yields obtained by those using HID. There are also new LED (light-emitting diode) lamps starting to show promise in indoor setups.

Avoid Light Leaks



Before putting any plants into your space, step inside it with the lights off during the day. If you see any light from outside penetrating through cracks or holes in your space, seal them up and inspect it again. Light leaks during the dark cycle of your flowering stage will confuse your plants into staying in the vegetative stage, re-vegging or even turning into hermaphrodites. Making sure that your dark period is truly dark will keep all of these calamities from happening to you.

Circulate



Moving the air around your grow space (as well as removing warm, spent and stinky air) is essential to successful indoor farming. Oscillating fans will help ensure that all growing leaves wiggle in the wind,



Bring in fresh
air through fine
filters to keep from
bringing in pests or
contaminants.



INDOOR MYTHS

► You must add CO₂ to get big yields indoors.

Supplementing your growroom with carbon dioxide does increase yields, but it's not absolutely necessary as long as you bring in fresh air and circulate it well. Also, bigger harvests don't mean more potent buds. Regular CO₂ levels in the air range from around 300 to 400 ppm (parts per million). The gas is quickly depleted by plants in an enclosed indoor growroom, which is why supplementing with CO₂ is recommended for grow spaces without intake and exhaust fans.



Also, always remember that any fresh air you bring into your grow space should be filtered through activated charcoal to remove pests and molds.

► You must use HID lighting (HPS or MH).



The ingenuity of indoor growers knows no bounds, and micro-gardeners have figured out ways to grow buds out of tiny plants under fluorescent and LED lights. Newer models of the latter have shown much promise, and some indoor farmers simply can't afford the electricity required to power HID lamps.

► Organic growing indoors smells bad and invites pests.

Many organic products on the market these days put the lie to this prevailing myth—dried bat and seabird guanos, liquid seaweed (kelp) and oxygenated compost teas are just a few that come to mind. Even the liquefied fish products we've encountered recently contain odor-neutralizing agents that make them far more palatable to the nose than older versions.

► Using tin foil on the walls is a great reflective device that will increase yields.

Tin foil is not useful in any growroom. Tin foil reflects light very inconsistently and provides a great place for pests to hide (behind and inside as well). Instead, paint growroom walls a flat white or use heavy-duty Mylar instead.

SOLARSTORM™



Separate controls for veg, bloom and UVB

800W LED WITH BUILT-IN UVB FOR MAXIMUM POTENCY

HIGH POWER 800 WATT LED PANEL

One of the most powerful on the market delivers better coverage and yield in both veg and bloom.

SUPPLEMENTAL UVB LIGHT BUILT IN

Increases resin development and boosts potency.

MAXIMUM INTENSITY 5 WATT LED EMITTERS

Better penetration into the canopy, six band spectrum

SWITCHABLE SPECTRUM CONTROL

Independent controls for veg, bloom and UVB.

DESIGNED AND MANUFACTURED IN CALIFORNIA

Local support from the people who actually make the light!

We're Looking For A Few Good Growers!

Experience the SOLARSTORM™ for FREE* by providing us your feedback. Please go to our website to sign up.

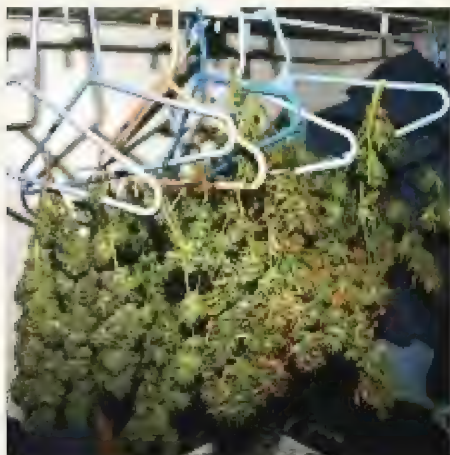
www.CaliforniaLightworks.com



*Subject to Terms and Conditions as outlined on our website



INDOOR GROW TIPS



- ▶ **Rotate your plants a quarter-turn each day to ensure that all leaves get sufficient light.**
- ▶ Secure your lights using strong, adjustable hangers so you can easily keep the bulbs at optimal levels.
- ▶ **Enhance lumen distribution by using light movers that rotate or travel on a linear track.**
- ▶ Leave tap water out overnight to allow the chlorine to dissipate before adding your nutrients and applying it to your plants' roots.
- ▶ **Air-cooled HID lights remove much of the heat at bulb level and can be hung lower than non-cooled ones.**
- ▶ CO₂ enrichment using a tank, generator or other carbon-dioxide emitter can increase growth rates and yields significantly.
- ▶ **A muffler attached to your fan for your activated-carbon filter reduces noise.**

without getting completely blasted by a constant, excessive breeze. An exhaust fan located near the top of your grow space pulls air through an activated-charcoal filter in order to clean it before setting it free. Pulling more air out than you have flowing in creates negative pressure, ensuring a fresh supply of CO₂ (and also keeping odors from escaping through any cracks). Be sure to turn off the oscillating fans before spraying or foliar-feeding to avoid getting liquid on your light bulbs, which can deteriorate or break from contact with the droplets.

Indoor Fireworks



Now that you're well on your way to getting started, remember that part of your job as an indoor cannabis farmer is to stay out of the plants' way and let them do their thing. Over-watering and over-fertilizing



A trellising system keeps heavy colas from falling down and losing light.

Over-watering and over-fertilizing are the two biggest mistakes that novice growers make, so try to maintain a balance.

are the two biggest mistakes that novice growers make, so try to maintain a balance. Lift your containers when they're fully watered and when they're not so you can learn how to judge when your plants need another feeding. Raise

nutrient doses incrementally and keep any experiments isolated to one or two plants. Above all, stay curious and enjoy the ride. Nothing's better than enjoying cannabis that you grew yourself—all in the comfort of your own home! 🌿

WE COMPARE SO YOU DON'T HAVE TO...

HYDROWHOLESALE.com

Largest Selection. Lowest Prices. Fastest Shipping.

Selling brand name products you know and trust.
We compare product & shipping charges to assure you the best price.

THE LOWEST GROW LIGHT SYSTEM PRICES!



400 Watt MH/HPS Light System \$124.99

600 Watt HPS Light System \$164.99

1000 Watt MH/HPS Light System \$164.99

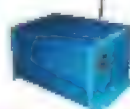
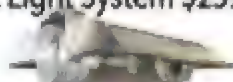
* AIR COOLED REFLECTORS JUST FEW BUCKS MORE

400 Watt MH/HPS Electronic Light System \$124.99

600 Watt HPS Electronic Light System \$159.99

1000 Watt MH/HPS Electronic Light System \$259.99

* ALL SYSTEMS COME WITH A BULB.
* PURCHASE A DUAL TIMER FOR \$15.99
DONT FORGET A LIGHTHANGER! \$24.99



1 PLANT DEEP WATER HYDRO SYSTEM \$29.99

4 PLANT DEEP WATER HYDRO SYSTEM \$145.99

8 PLANT DEEP WATER HYDRO SYSTEM \$269.99



\$69.99

8 BAG, 5 GALLON

OIL EXTRACTION KITS ARE HERE!

*ALSO AVAILABLE IN 1, 10, 20, AND 32 GALLONS

Check out the highly reflective and amazing ORCA Film, taking the industry by storm. We also have Leading Industry Nutrient Lines, Fabric Aeration Pots, Dozens of Water Chillers, Co2 Regulators, Propagation Tools, Ventilation Equipment, Carbon Filters, and MORE!!

NEW AND IMPROVED GROW TENTS!

Hydro Grow Room Complete Systems

2'x2' \$479 | 2'x4' \$799 | 3'x3' \$839

4'x4' \$949 | 4'x8' \$1799

Organic Grow Room Complete Systems

2'x2' \$379 | 2'x4' \$599 | 3'x3' \$599

4'x4' \$619 | 4'x8' \$1199

Vertical Grow Room Complete Systems

2'8" x 5'6", 70 plant - \$1999.99

5'4" x 5'6", 140 plant \$3299.99

Add a Propagation & Cloning Kit \$49.99

2 x 2 Herb Dryer Room \$329.99

3 x 3 Herb Dryer Room \$439.99

Includes Systems, Lights, Fan, Carbon Filter, Timers, YoYos, Pots, Mini-Clip Fan, Temp/Humidity Gage, and Setup DVD. Purchase Nutrients & Media separately.

Upgrade your light for just a few bucks more!

*Sales Tax Free (except in GA)

follow us!



Discreet. Confidential. Secure.

Toll Free: 1.866.803.2100

Visa, MC, and Money Orders accepted.

*Call for A Free Catalog!

www.hydrowholesale.com

Authorized Dealer

Can-Fan



BREEDING FOR HOME GROWERS

Hybrids, male plants and pollination techniques for the adventurous connoisseur. By Mel Frank



As a home grower, once you've learned to grow cannabis successfully, even more fun can be had from creating your own seeds, clones and (if dedicated enough) perhaps your very own variety. Beside increasing your enjoyment and marijuana knowledge, you'll no longer have to buy seeds or clones for each new crop. You can become a truly self-sufficient grower.

In the 1970s, growers would plead for potent seed stock, especially early-maturing strains for gardens in the colder East and North. That major problem for home growers—finding good stock to fit particular growing situations—has become a thing of the past. Today's home growers have seed-industry breeders to thank for making available a multitude of wonderful varieties.

These days, almost all commercially available marijuana seeds and clones are hybrids. Landraces, especially “true breeders,” generally aren't sold, for one simple reason: If you have two true-breeding parents, you can produce your own hybrids with no need to buy seeds ever again, and the original seed source would soon be out of business.

This is one of the main reasons that commercially sold seeds—whether we're talking tomatoes or marijuana—are generally F1 hybrids. Another reason is the hybrid vigor they possess; hybrids are usually healthier and more vigorous than their parents and often combine desirable characteristics inherited from each. Hybrids developed by knowledgeable breeders are also very reliable in terms of their most important characteristics, such as potency, yield and maturation time. But inbreeding F1 hybrids has historically resulted in a range of possible progeny, often with poor results. While this is still true of tomatoes, it's not necessarily true of today's marijuana strains, since classic varieties such as Skunk #1 and Haze have been selectively inbred through many generations to stay consistent and “breed true.”

Breeding Hybrid Generations

When true-breeding parents are crossed by seed companies, the first-generation (F1) hybrids are intermediate between their parents. A tall parent crossed with a short parent generally yields F1 progeny with a consistent height somewhat less than the tall parent. Inbreeding these F1 hybrids—i.e., crossing two of the offspring with each other—will yield progeny (known as F2s) ranging in height from short to tall

Fashion aluminum saucers beneath male flowers to catch fallen pollen.



The benefit of F2 generations comes from the rare gene combinations that can arise.

rather than being consistent in size; the same variation will likely appear in other characteristics, such as differing bud shapes, yields, maturation times, etc.

The benefit of F2 generations comes from the rare gene combinations that can arise—some good, some bad. These might involve simple combinations, such as one pair of genes that controls a particular characteristic like the color of stigmas: for example, an F2 that inherits recessive genes for red stigmas from its F1 parents with white stigmas.

But how do offspring with red stigmas come from parents with white ones? Remember that cannabis plants inherit

from each parent a gene that codes for a specific trait, such as stigma color; these genes then form working pairs, with each gene having more or less influence depending on whether it's dominant or recessive.

Returning to the true-breeding parents with white stigmas in this example, one parent has two dominant white-stigma genes (WW), but the other has one dominant gene for white stigmas and one recessive gene for red stigmas (Wr). This means the two will yield only F1s with white stigmas, since each F1 plant inherits either two dominant white-stigma genes (WW) or one

dominant white and one recessive red gene (Wr). But it is now possible in the following inbred generation that both the male and female F1 parents inherit only the latter (Wr) combination, meaning they both have a dominant gene for white stigmas and a recessive gene for red stigmas. Some of their F2 offspring, therefore, can inherit a recessive gene for red stigmas on both sides (rr)—a 25 percent chance from these two parents. If, in this example, we started with a large number of F1s that parented a large number of F2s, about 56 percent of the F2s would have white stigmas (WW), 37 percent more would have white with traces of red (Wr), and 6 percent would have pure red (rr).

Actually, environmental factors such as ultraviolet light and soil conditions can also influence how much red is expressed. But this illustrates how unexpected outcomes may arise in F2 progeny. And the gene combinations can be much more complicated when a characteristic such as potency is polygenic, meaning that many genes contribute to its development.

F2s, in short, are where those rare and unexpected combinations are found, whether simple or polygenic. This is also why super-potent individuals are still

This dried red Afghani bud is an original landrace strain and makes for excellent breeding stock.



These colorful, striped seeds are ready for harvest. Remember, not all seeds mature at the same time.



found in F2s and why novel characteristics, such as pure red stigmas, were not seen in either parent. Crossing F1 hybrids yields offspring with a greater range of potential gene combinations, and this is where the fun begins and the gems are found.

Most importantly, the potency of F2s should be excellent because, when the industry was first developing, potency was what breeders were primarily concerned with: Lower-potency varieties didn't cut it commercially and were superseded by higher-potency stocks, an ongoing process among serious breeders. Unfortunately, amateur breeders often select breeding mothers for characteristics like bud size, yield, leaf color or quickness to maturity, without always selecting for potency as well. This has diminished the potency in some newer varieties. However, as long as you choose seeds from potent mothers in each generation, the potency in their offspring should remain high.

The Importance of Males

Male plants are often unwanted interlopers in a marijuana crop:

They supply little useful bud, producing only leaves and flowers of mediocre potency and weight compared to females. More importantly, if not removed before flowering, male plants can pollinate the females, resulting in seeded rather than sinsemilla (seedless) crops. Males also take up room and resources better devoted to females—an important factor when you're growing in a cramped closet or extra bedroom.

However, as in nature, males have their purpose for growers. Males are indispensable in breeding programs, especially when it comes to easily producing seeds (in conjunction with their female counterparts) in quantities sufficient for very large crops. Females can be induced to form some male flowers with viable pollen, but once you get started on producing female pollen and feminized seeds, you can get locked into always doing so, as the seeds produced in this genetic line now lack male chromosomes. But a single male turns out prodigious amounts of pollen and is a much simpler and more natural means for producing thousands of seeds. Males also bring added diversity to breeding programs, a most important factor for finding and selecting new phenotypes and, ultimately, new varieties. A true-breeding male of known purity is precious, because characteristics like



Close-up of male pollen sacs ready to open.

The pollen from only a few male flowers will go a long way and can pollinate several large buds, yielding several hundred seeds.

potency and yield are easy to recognize in a female but not in a male, so that crossing with an unproven male is very much a hit-or-miss proposition.

In terms of care, males are also much more forgiving than females. They require less light, nutrients, water and time to mature; they almost never develop rot; and they are less tied to the photoperiod (older males often flower under 16 to 18 hours of light, but like females, they are photoperiodic and will flower in response to a 12-hour light regimen). Males also continue to flower for many weeks, even if subjected to lengthier days or interrupted darkness, rather than reverting as readily as females do. So, conveniently, you can move males beginning to flower under 12 hours of light to a window during the long days of summer, or even to a window in a room moderately lit for nighttime use, and the flowering will continue for many weeks. Wherever the males are flowering

indoors, however, the air must be still. You don't want an open window, as the slightest whiff of air can get the pollen airborne, and central air-conditioning or heating can circulate it to every room.

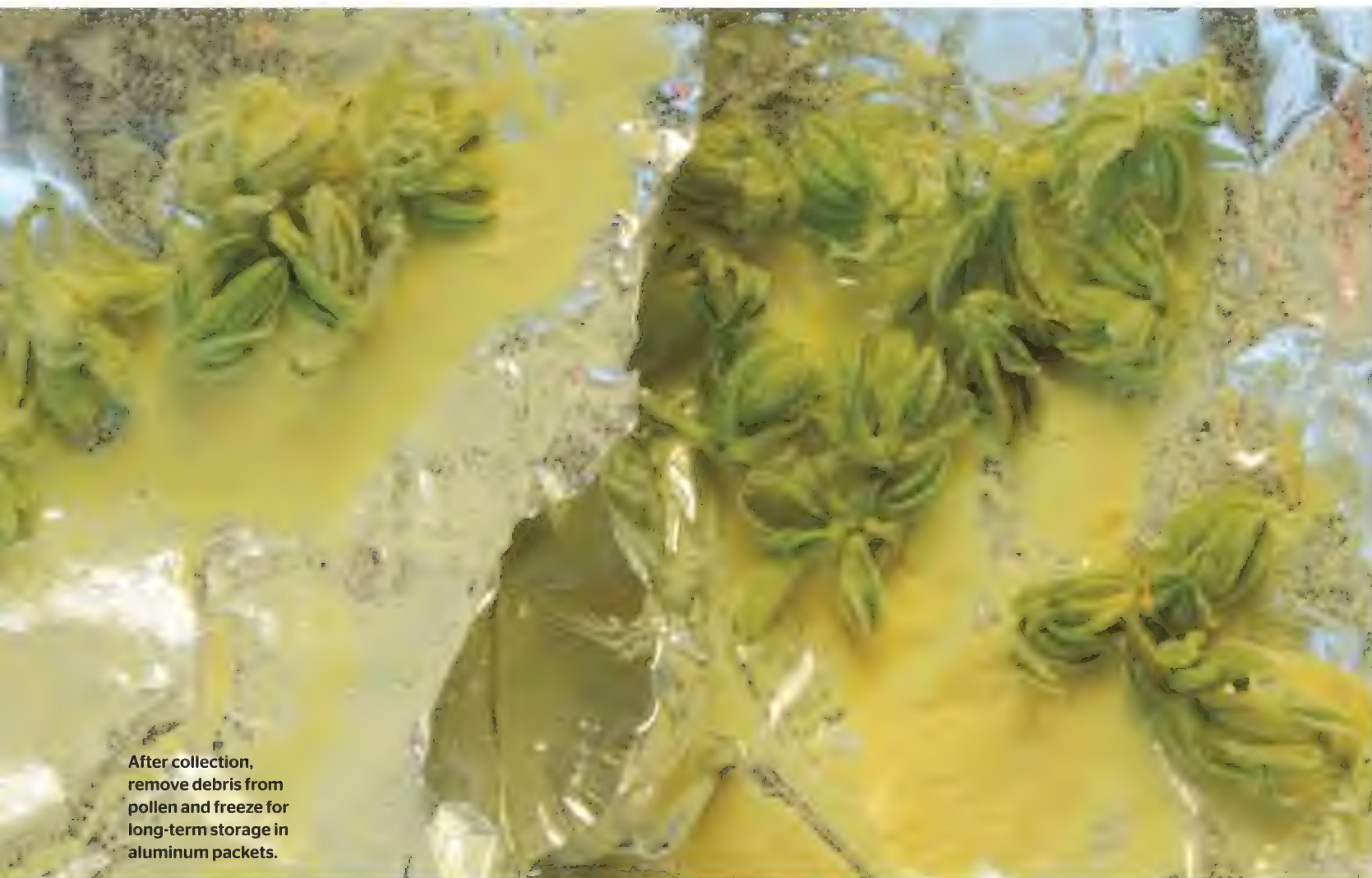
Collecting & Storing Pollen

➤ Ideally, you'll want the pollen available for an extended period of time (if not continuously) without having to devote another garden to males. With indoor setups where new crops are continuously being harvested, select females can be pollinated with pollen from an earlier crop—either from a long-flowering male, or from male clones flowering in a window or under a modest fluorescent setup, or by using stored pollen, whether fresh or frozen. (Frozen pollen is handy for pollinating at any time of the year.)

Indoors, pollen is usually collected in one of two ways: either by placing saucers made from aluminum foil beneath



each flowering node, or by shaking the open flowers so they release their pollen onto hand-held aluminum foil squares. Some growers also place newspapers or plastic sheets under the males and then collect the fallen pollen every week or two. This more infrequently collected pollen will still produce seeds, but it can lose its potency over time; also, pollen is



After collection, remove debris from pollen and freeze for long-term storage in aluminum packets.

wasted with this method, since much of it lands on the lower flowers and leaves. It's best to collect fallen pollen every two days and then store it for later use (and remember that in high heat or humidity, pollen loses its viability fairly quickly).

If you're planning on storing it long-term, then using fresh pollen is crucial. Carefully pick out any plant matter (mostly fallen anthers—i.e., pollen sacs) from the aluminum-foil collectors and then very carefully fold them into sheets or strips with all of the edges sealed tight. Next, place the foil in a film canister, jar

or plastic baggie—anything that's airtight. As an extra precaution, add a pack of desiccant balls or raw rice to the container to absorb moisture before storing.

The pollen from only a few male flowers will go a long way and can pollinate several large buds thoroughly, yielding several hundred seeds. You want to store lots of foil packets holding pollen from only a few flowers each. Pollen will not survive being taken in and out of storage repeatedly, so a little pollen stored in many individual packets of aluminum foil will stretch its usability over many crops.

Frozen pollen stored properly for well over a year can still routinely produce well-seeded buds.

Growers may also prefer to enclose flowering branches within paper bags to collect the pollen. You can also snip the individual, well-developed male flowers or flowering clusters and store them in dry, open containers to use for pollination during the next few days as the flowers open. No storage

procedure beats using freshly harvested pollen, but for continuous, long-term use, freezing the pollen in individual containers or foil packets is preferred.

Another thing to keep in mind: Pollen stored fresh loses its viability much faster than frozen pollen does. Fresh pollen will still produce seeds after being stored in the refrigerator for seven months—but nowhere near as many seeds as would be produced by a much, much smaller amount of frozen pollen that came from the same male six months earlier.

Outdoors, you should harvest and store branches in paper bags just before the flowers appear ready to open; some flowers will continue to ripen and open with the residual branch moisture. Better yet, you can place the flowering shoots in glasses of water or large rockwool squares, as you would to root a cutting; the shoots will produce much more pollen than those drying in a paper bag. Also, unlike flowering females, flowering males clone relatively easily if the cuttings are taken early in flowering. Male clones are another way to assure a continuous, long-term supply of pollen, with the added advantage that it's always fresh.



Keep fresh pollen dry with desiccant balls or raw rice.

Grow Your Own Feminized Seeds... **Guaranteed!**

100% Money Back Guarantee



Tiresias Mist is a naturally occurring mineral mixture that allows even the most novice of growers grow their own feminized seeds. Tiresias Mist works by the grower isolating one branch of a female plant and enabling it, through treatment with the mixture, of producing male characteristics, i.e. pollen sacs. Because the genetics originates from only a female plant, you will only have feminized seeds... guaranteed.

**Sold exclusively
through our website
www.DRTSremedies.com
or your local hydro store!**

www.DRTSremedies.com

Patent Pending

Use coupon code *Nug12* for \$5.00 off

Applying Pollen



Selectively pollinating individual buds allows your plants to remain otherwise seedless.

This is a simple way to harvest (and test-smoke) sinsemilla plants, yet also gather hundreds of seeds from each one—even small indoor plants. Artist's brushes or Q-tips are typically recommended for applying pollen, but a little finger dab can work just as well; in fact, pollen on artist's brushes becomes airborne even with the most careful application and can result in unwanted seeds, whereas the moisture and oils on your skin are just adhesive enough to attract pollen, which then can be applied without too much becoming airborne and producing random seeds.

Allow chilled or frozen pollen to sit for an hour or so to rehydrate and come to room temperature before applying. Simply press a clean fingertip into the pollen and gently touch it over and around all the stigmas you can reach. Don't try to probe into the bud; just continually brush your fingertip all over the surface and the pollen will reach most of the stigmas. Always mark the areas of pollination with wire twists, yarn, cloth or masking tape. Record the date, male used, mother's identity and any other pertinent information; such information will prove invaluable for subsequent crops.

Indoors or out, you can pollinate separate branches on the same plant using pollen from different varieties. Let's say you have two target branches you plan to pollinate. First, cover one of the branches with a paper bag to prevent cross-contaminating it. After the other branch is pollinated, wait 30 minutes to allow any airborne pollen to settle down, then cover the already-pollinated branch with the paper bag and pollinate the first branch with a different variety's pollen.

Even better for ensuring purity is to wait a couple of days before pollinating the second branch and then mist the plant with water beforehand. After it has thoroughly dried, pollinate the second branch. Wetting ensures that stray pollen from the first pollination will not become airborne or still be viable. When pollinating many females outdoors, you can minimize random seeding by having a helper hold a damp towel tent-like over the branch to catch any airborne pollen as you apply it.

Indoors, you should move your select female out of the garden and, after



Male plants are much more forgiving to grow and can flower much longer.

For a good yield of seeds, wait for the females' buds to become well formed, but pollinate them before many of the stigmas begin to curl and turn rusty looking, which indicates a loss of receptivity.

pollinating it, wait two days and then mist the plant and let it dry before returning it to the garden. Don't try to pollinate plants in a crowded garden if you want to minimize random pollination; a plant outside the garden is much more easily serviced.

To completely pollinate whole plants, it's best to have your male maturing in a separate room with still air. When the male's flowers are opening and the

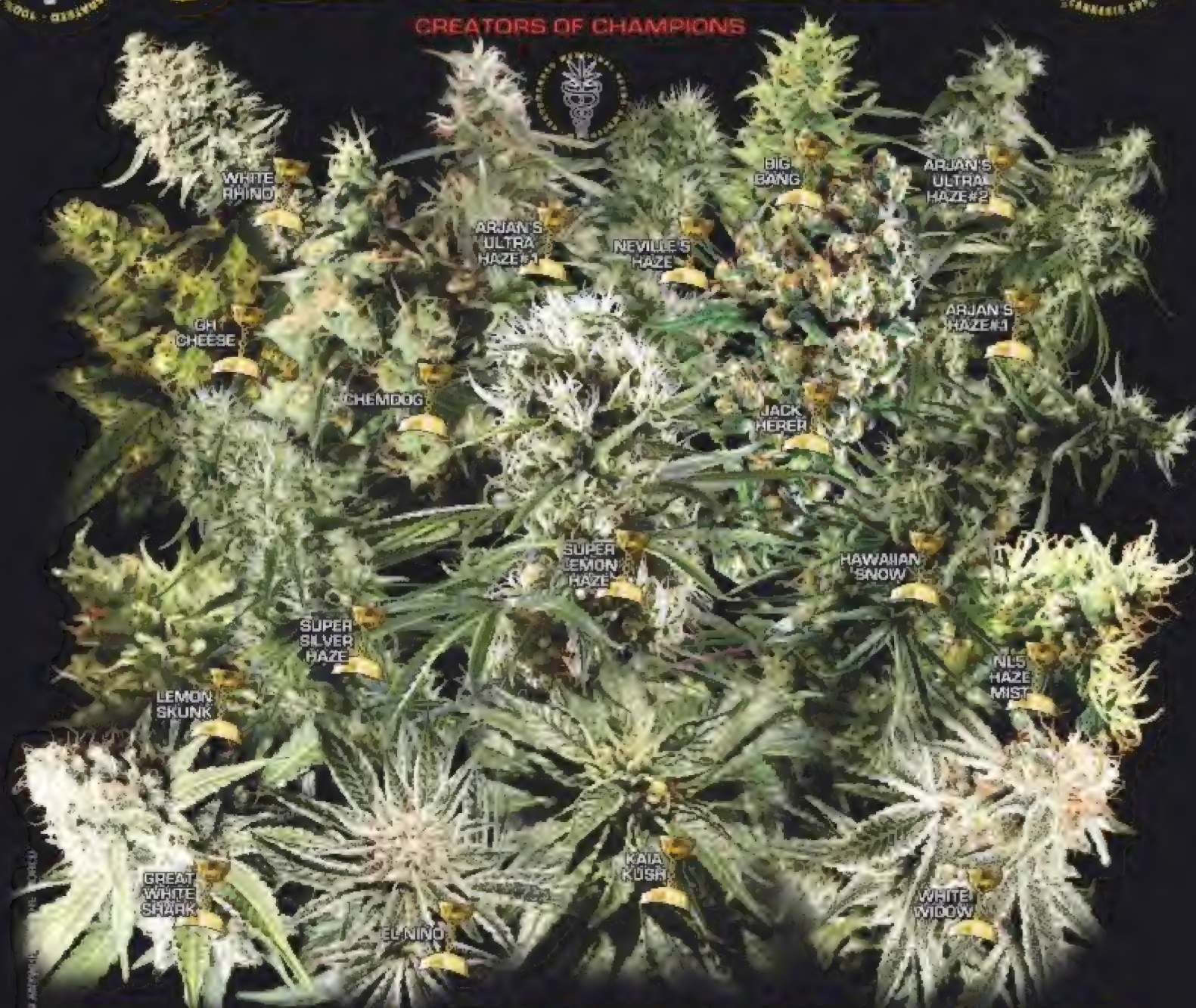
females have well-developed buds with fresh stigmas, bring them in to surround the male. Once a good number of his flowers are open, give him a vigorous shake, wait a minute, then open a window or use a fan to gently agitate the male and swirl the airborne pollen around for a few hours. A few days later, repeat this procedure. You should see pollinated stigmas on the females withering and turning rust-colored within five days.



THE WORLD'S LEADING HIGH!

Green House Seed Co.®

CREATORS OF CHAMPIONS



WINNER OF 34 HIGH TIMES CANNABIS CUPS



SCAN THIS BARCODE TO VISIT THE PORTAL
WWW.STRAINHUNTERS.COM
WWW.GREENHOUSESEEDS.NL



© 2014 Green House Seed Co. All rights reserved. Green House Seed Co. is a registered trademark of Green House Seed Co. All other trademarks are the property of their respective owners.

Even small indoor plants (about 3 feet tall, such as an Afghani-1), when every flower appears to be pollinated, can yield some 2,000 seeds per plant. Keep in mind that the seeds from a fully seeded plant—especially a small one—will be smaller, as the plant has limited resources to nurture so many seeds. (Conversely, the occasional seed you find in an otherwise sinsemilla bud is often larger than normal, because the plant needs to nurture only one or a few seeds.) But the size of the seed will make no difference in terms of the plant's ultimate size, even though a larger seed will germinate a larger sprout.

You can, of course, move a flowering male into a garden of females rather than vice versa; however, pollen from any open sacs will waft away as he is being moved, and female buds may not be pollinated uniformly, as new male flowers open over time. For a good yield of seeds, wait for the females' buds to become well formed, but pollinate them before many of the stigmas begin to curl and turn rusty-looking, which indicates a loss of receptivity. If a plant is pollinated while the buds are too young, new flower production slows or stops, as the female allocates most of her energy to nourishing the seeds, yielding a smaller harvest in terms of seeds and marijuana than would otherwise be the case. This is why you always want to separate the males from the females—because the earlier-flowering males will pollinate females as soon as they begin to flower. Gardens with male and female plants have both types of flowers continuously forming over a period of eight weeks or more, so the pollination and seed maturation will be uneven, yielding a mix of infertile (immature, white) seeds and fertile (mature, richly colored) seeds—and, ultimately, a smaller number of viable seeds and less marijuana.

Keep in mind that seeds can reach maturity in as little as three weeks on vigorous outdoor plants, or in six to seven weeks on smaller, slower-growing indoor ones. Seeds split their protective bracts at maturity, allowing you to see their rich coloration and striping. Wait up to a week before harvesting, as seed development isn't perfectly uniform even when plants are pollinated at the same time. There's no rush to harvest seeds indoors, but outdoors you don't want to wait too long, as mature seeds can germinate in the buds after rains or heavy dews or be killed by fungi or molds.



Pollinate when buds are at a good size with fresh stigmas. Pollinated stigmas will turn rusty after five days.

A true-breeding variety means that the plant's most important characteristics—potency, yield, bud formation and time to mature—are fixed and constant over the following generations.

Keep It Simple



Selective pollination, as described above, allows you to pollinate a few buds on every plant so that later, when evaluating each plant's unseeded bud, you'll have seeds from any of the plants you find most desirable—more potent, flavorful, disease-resistant, colorful, etc. This is a basic, simple and low-tech procedure for developing your own seeds.

However, I don't want to leave the impression that home growers using these methods can easily create their own true-breeding varieties, because it definitely isn't that easy or quick. A true-breeding variety means that the plant's most important characteristics—potency, yield, bud formation, time to mature, etc.—are fixed and consistent over the following generations. But a meticulous breeder first needs to fix one characteristic (maybe two at most), as demonstrated by its uniformity in all of the subsequent offspring, before he goes on to fix the second characteristic, then the third and so on. This takes a good understanding of basic genetics as well as growing perhaps

hundreds of plants through a number of generations. In terms of the numbers of plants and time commitment necessary, this is an undertaking beyond the simple home grower.

Even so, finding an especially desirable plant by crossing F1 hybrids is not that unusual—in fact, many clones sold today came from individual plants that a grower discovered to be exceptional, with her clones given a new name. In small gardens started from seed, you can clone a shoot from each female (before she flowers) and later determine which clone mother was the best. Her clone can then become the mother of all of the clones populating your next garden.

Home growers by definition don't have the spacious fields or huge indoor gardens in which to compare hundreds of plants. Even so, the more F2 plants you grow, the greater the number of possible gene combinations, and the better your chance of discovering a wonderful new phenotype to clone or use as a mother for a new line of seeds. Breeding is always fun, and you never know—sometimes you can get lucky. ✨

Strawberry Cough





HIGH TIMES
CHEM DOG



Gooberry





grasscity.com

world's best online headshop

WE WISH YOU A MERRY CHRISTMAS

Valid throughout the whole month
of December 2011

Use the following discount
coupon at checkout for a
12,5% DISCOUNT
on all your purchases

SANTA420

Everything
goes!

www.grasscity.com

**12,5%
DISCOUNT**

**12,5%
DISCOUNT**

**12,5%
DISCOUNT**

Blaze Glass
7mm tube

The Fumo Pipe

Blaze Tower
Double 8
7mm

American Glass
Works

Blaze Glass
Triple Percsystem

German
EHLE

German
ROOR
7mm

Scientific Octo
Bubbler

Black Leaf
Micro Circ Straight

Scientific
Glasscity
Bubbler

Grasscity.com – the biggest headshop collection online – over 6000 products listed

World Wide Shipping – Discreet Packaging All orders over \$USD 50 will receive free goodies and gifts for the duration of the Sale Buy Scientific Waterpipes (5mm, 7mm and 9mm thick) , Bubbler, Color Changing Glass, Smoking Accessories, Smoking Papers, Herb Grinders and Lifestyle Gear

Grasscity.com is the official reseller of

ROOR
PURE SMOKE KULTURE

Black Leaf

BLAZE

G3
Glasscity

GSM
GLASS

MOON

WATERP

Disclaimer: All Products are for Tobacco use Only



grasscity.com
world's best online headshop



THE GOLD

Setting the bar for outdoor grows doesn't come easy.





STANDARD

Story & photos by Nico Escondido



It's been a long time since anyone found gold in these parts—but that doesn't mean it's no longer here. Much like the fabled alchemists of yesteryear, who sought the secret of turning base metals into gold, the savvy farmers of NorCal have known for generations that gold grows in trees.

SUSTAINABLE, RESPONSIBLE GARDENING

Rather than start at the botanical beginning with the basic horticultural how-tos, let's start at the ideological beginning with just exactly what a top-rated outdoor grow entails. The first word that comes to mind is responsibility. Just as with wheat farmers in Nebraska or cattle ranchers in Texas, cannabis farmers must adhere to the same set of guidelines and regulations put in place to protect our natural resources and the surrounding environs—as well as the people who use them and live there.

The word “sustainable” turns up a lot

in these kinds of discussions and refers to a process of garden management in which nature's own efforts are not wasted or hindered in any way. What we want to do is to work in concert with nature and even enhance her wherever we can, thereby minimizing the harmful impacts that human activity can have. Of course, examples of human interaction with nature that don't have at least some minor impact are extremely hard to come by, and many people would argue that human beings and their activity are a part of nature in their own right. So what we are really trying to do is find a way of being symbiotic, or at least neutral, with our surroundings when farming. And if you do it right, you

could even have a positive impact on the environment—and your buds.

The farm described in this article, for instance, functions completely off the public power grid. It utilizes solar and wind power to produce over 90 percent of its electricity. And it uses large-format composting processes to create soil mediums for all of its cultivation (which includes fruits and vegetables to feed the farm's occupants).

Using solar, wind or even generators adds to the security of a grow op by keeping the facility from being monitored by power companies or law enforcement. It also saves money over time, with the expensive equipment eventually paying for itself once the grower no longer has to purchase overpriced power from corporate utilities. At the same time, outdoor growers who rely on generators have to be especially careful, since generators are both noisy and have the well-known potential to harm the environment. Indeed, most generators rely on diesel gasoline and can leak and pollute both the air and water. Since most outdoor growers prefer to grow organically as well, diesel generators as a rule just don't fit into the mindset of responsibility that conscious farmers wish to maintain.

Growing gigantic, beautiful cannabis trees isn't easy, but responsible growers have the most success.





Finding water is like striking gold. But collecting and distributing it may prove even more difficult. Right above: Four stake spray-emitters are placed in each container box for even watering. Right below: Short-cycle timers at each plant site allow for customizable waterings for each plant.



WATER & IRRIGATION

When selecting farmland, marijuana growers have a lot to consider, and there's no bigger concern than where the necessary water for their gardens will come from. Perhaps the best feature of this self-sustaining ganja farm is how the farmers get their water for use in everything from feeding plants to drinking, cooking and showering. In California, there have been many arguments about how to find water sources, and even more debate over which natural sources can (or should) be tapped for farming purposes. Diverting water from streams,

rivers or ponds can have devastating effects on the land and people in surrounding areas, so marijuana farmers must make sure that their water source provides adequate water for all things natural—as well as everything that was there before they showed up—before tapping it to feed their plants.

By far the most successful way for outdoor farmers to supply their gardens is to find a natural spring that can provide enough water for this purpose without affecting the rest of the ecosystem. The alternative to a spring is

often sinking an expensive well that will usually turn out only small amounts of hard, dirty water. In some cases, natural springs are located far beneath the earth, unknown to humans, and sophisticated equipment must be used to find them. But when such a spring is found, it's like striking gold for the soon-to-be marijuana grower. Oftentimes, these underground sources are found with the aid of engineers or scientists who know what to look for in identifying potential watershed areas; such markers include certain types of vegetation or a nearby creek that seemingly bubble up out of a mountainside.

Once the water is found, the question then becomes whether it can produce a large enough supply to be used and, if so, how to collect, store and redistribute it. Hands down, the best way to move water on an outdoor farm is by setting up a passive system that relies on gravity alone. Unfortunately, this is easier said than done and requires careful planning and loads of man-hours. Savvy farmers use altimeters and miles of thick, durable hosing to collect the water and move it into large holding tanks. Such reservoirs range greatly in capacity, with the larger primary tanks storing upward of 50,000 gallons, which can then be siphoned off and directed toward the cannabis gardens with their own smaller tanks, which hold anywhere from 5,000 to 25,000 gallons. Carefully placing these smaller tanks at levels slightly lower than the main reservoir feeding them allows gravity to drain and pull the water from one tank to another.

Once the field reservoirs are full, watering the gardens is a simple matter of running spaghetti lines off the main hose directly into each plant's container box. Short-cycle timers allow growers to set watering times for each individual plant's needs, utilizing up to four spray emitters at the base of each plant. At the height of summer, a fully grown marijuana tree can consume up to 10 gallons of water a day. Over the course of an entire grow season, with gardens numbering in the hundreds of trees, it's easy to see why water collection and irrigation is the most essential part of a good outdoor operation.

GREEN GIANTS

There are quite a few reasons to grow outdoors, and if you live in a medical state where privacy and security are less of an issue, then an outdoor garden can yield huge results—not to mention that most medical states severely limit the number of plants that patients or their caregivers can maintain, so putting them outside where they can grow to their fullest potential makes perfect sense.

The idea in outdoor growing is to go

big, and to that end, outdoor growers have a few major advantages working in their favor. To start with, there are far fewer limitations on space. This gives outdoor growers the freedom to choose virtually any strain they want to grow, as space is not an issue—though it'll still be important to choose varieties that finish early enough in the season that they can be harvested before the rainy or winter weather rolls in.

The next and perhaps most important advantage is our sun. Not only is the Sun a free source of light, thereby eliminating

the need for electricity and expensive bulbs, it's also the best possible source of light for plants in terms of spectrum and intensity. The key to fully utilizing the Sun is to find spaces for your plants that have good southern exposure, which will guarantee them the greatest possible amount of sunlight during the day. It's also important to make sure there is no overgrowth from surrounding trees or vegetation that can shade your gardens and steal their sunlight.

Lastly, growing outdoors lends itself to organic or all-natural feeding programs. Many smart outdoor growers have learned that maintaining the kind of nutrient regimens used for indoor gardens is largely unnecessary; instead, growers use composted soil mediums that create excellent microbial environments at the root zone. These microorganisms feed on the composting minerals within the soil and create the nitrogen, phosphorous and other nutrients that plants use. This concept is known as true live organics, where growers “feed the earth” and let the earth feed their plants, just as it occurs in nature. And the results achieved with this method can be phenomenal.

Each plant requires two hours of attention each day. Right: Powdery mildew can form on leaves and ruin entire trees if they are not identified and removed immediately.



MEDIUM, CONTAINER BOXES AND TERRACING

This particular farm not only has all of its gardens facing south; the hillsides that they're on have been terraced, creating multiple tiers of level ground on which large container boxes can be constructed. Terracing helps improve the drainage and allows the farmers here to create a large personal space for each plant. With nothing near it to inhibit growth, such as light-shading trees or other vegetation competing for food sources, a cannabis plant can go from a bush or shrub to an outright tree.

The composted material described earlier is created in the usual tried-and-true fashion, but it also has some natural additives thrown in along the way.

DISCOUNT HYDROPONICS

DH

GROW

IT

Lighting Systems
Hydroponics Systems
Climate Controllers
CO₂ Controls
Grow Mediums
Nutrients
Timers
Odor Control
Pest Control



FEATURING THE **NEW**

digilux

HIGH OUTPUT DIGITAL BULBS

Call for our **NEW** catalog or visit our Webstore @ www.discount-hydro.com

Lowest Prices Guaranteed!

Discreet Packaging

Confidential Transactions

We are the Mail Order Professionals!

DH Warehouse & Superstore

4745 Hiers Ave.

Riverside, CA 92505

(877)-GROW-IT-7

(877)-476-9487

IN THE L.A. AREA? CHECK OUT OUR 18,000 SQ. FT. WAREHOUSE AND SUPERSTORE

Larger outdoor farms generally employ their own medium mixtures using composted vegetation and earth soils mixed with peat or sphagnum bases. Sometimes organic feeds such as chicken or bat guano are mixed in as well to give the medium a nitrogen boost, or a natural calcium (oyster shells) or magnesium (kelp) booster is added to ensure a fuller line of minerals. Customizable mediums often have an airier texture as well, with coco fiber or wood chips thrown into the mix. Composted mediums like these need to be started early in the season when the ground is still thawing so that they've attained the right temperature when the actual planting begins.

Once spring arrives and the plants are ready to go into the ground, large 8' x 8' square frames are constructed with wooden planks and stacked double high to create container boxes to house



Trellis systems aid in topping plants to create more colas.



Chicken wire lies underneath container boxes to protect root zones.

them. Before the boxes are laid on each level, graded terrace, a layer of thick chicken wire is put down to keep burrowing animals from gnawing at the root-balls. Once the containers are filled with medium and the young plants have been transplanted into the boxes, a trellis system or latticework is set up around them.

During the early stages of plant growth, growers continually top the plants, or pinch off each top terminal shoot. This results in the lower two nodes producing vigorous top growth, doubling the number of large colas that can be trained to grow up and out through the trellis. Continually topping plants until flowering begins can exponentially increase the number of main top shoots, causing a bushing effect and increasing yields substantially.

The trellis work used on this particular farm is concrete meshing rolled into

The housing arrangements for these outdoor plants may seem like a secondary detail, but when growing giant trees it's actually an integral part of the setup.

a tall, cylindrical tube that surrounds each plant. The plants grow up tall at the center, with shoots being pulled out at the sides through the 6" x 6" square meshing. As the flowering stage nears its end and shoots and colas become too long and heavy for the trellis to handle, simple but sturdy wire "S" hooks are attached to both the trellis and colas for added support.

The housing arrangements for these outdoor plants may seem like a secondary detail to some, but when growing giant trees, it's actually an integral part of the setup. Without the proper terracing, framing of the root zones and trellising for branches, plants will not be able to maximize their yield and potency, since they'll be expending much of their energy simply trying to support themselves.



Terracing garden plots improves irrigation systems and drainage.

Celebrating the victories of our seed companies at
the 2011 Cannabis Cup®!
History has been made with DNA Genetics and Reserva Privada.

DNA
GENETICS
AMSTERDAM

**Reserva
Privada**

ADMISSION OF THE CANNABIS CUP IS A CRIME IN THE USA. IT IS MADE IN THE USA. IT IS A CRIME IN THE USA. IT IS A CRIME IN THE USA.



**Double
Win!**

First Place Indica Cup
Reserva Privada and Reserva
Privada Colorado (tie) for
Kosher Kush

**Double
Win!**

First Place Hybrid Cup
DNA Genetics and Reserva
Privada Colorado (tie) for
Holy Grail Kush

**Single
Win!**

**Third Place Seed
Company Hash Cup**
Reserva Privada Colorado for
Rascal OG Nelson

www.dnagenetics.com

DNA GENETICS
Sint Nicolaasstraat 41
1012 NJ Amsterdam, Netherlands
(011) 31207787220

Find DNA Genetics online at:



Cannabis Cup is a registered trademark of Trans High Corp. and is used with permission.

YIELD & HARVEST

As mentioned earlier, the primary benefit of growing outdoors is the ability for each plant to achieve its full potential. This applies directly to yields, as outdoor marijuana trees that reach 12 to 14 feet in height can yield up to 10 pounds of bud. But when you have large gardens full of gigantic plants, harvest time can pose a daunting challenge.

As a result, outdoor growers must be keenly aware of each strain's finishing time. The trick is to balance the amount of time a strain needs to finish with the time of year and the weather that comes with it. Leaving plants outdoors too long to pack on extra weight can have disastrous effects if the weather begins to turn rainy. Entire plants or crops can be lost to mildew, botrytis (bud rot) or mold. In Northern California, most growers begin harvesting their plants in early October.

Pruning plays an important role in both plant and bud development as well as harvesting. During the course of the summer months, each giant plant requires attention for at least an hour each day, including watering, pruning and trellis work. Pruning involves cutting back the lower branches so that energy is diverted to the top shoots, and it also includes some detail work in the interior



With good pruning and trellising, there are literally thousands of giant top colas to be harvested, trimmed and cured.

Outdoor marijuana trees that reach 12 to 14 feet in height can yield up to 10 pounds of bud. But when you have large gardens full of gigantic plants, harvest time can pose a daunting challenge.

of each tree—removing inner leaves and branches helps create good airflow and penetration and helps combat against things like powdery mildew and mold.

Cannabis trees are usually taken down one large branch at a time until the entire plant is stripped of its buds. If proper pruning has been done throughout the growing season, harvest time will be that much easier because of it. As the branches are cut, they are placed upright in buckets and kept out of sun. If each branch is overgrown with leaves, workers will need to trim them before they can



The fun part—harvest—is just as much work and even more delicate of a process than one may think.

PhototronTM

Grow Your Own.

A Good Thing Just Got Better!

INTRODUCING OUR NEW PRO SERIES

A Fully-Integrated Plant System that
Promotes Rapid Growth in 21 Days!

Start from Seeds or Clones to Full Bloom!
100% Guaranteed and Service Backed!
Fast Delivery with available option to your have unit
shipped Fully Assembled!

CALL TODAY FOR A QUOTE OR MORE INFO

1 (800) 651-BUDS (2837)

www.phototron.com
sales@phototron.com

EVERY PHOTOTRONTM INCLUDES:

- Light Bulbs
- Reflective Panels
- Seed Pods & Soil Medium for the Root System
- 3 Part Nutrients –Grow, Protect & Bloom
- Complete Step-by-Step Instructions

THE NEW PRO SERIES INCLUDES:

The **ECOBRAIN** preset programs for optimum plant growth; automatically turns off and on lights, alerts when to add water/nutrients based on plant being grown.

Built in Carbon Filter removes organic odors

Variable Speed Fan controlled by temperature

200 Watt LEDs in hood for rapid growth available in two models

Sensors that monitor air temperature, moisture detection and humidity with a built-in LCD Screen to view all sensor activity including warning notifications based on thresholds; also displays plant cycles of growth.

CHOOSE ONE OF FIVE MODELS:

Starting at \$495.00:

Original -330 watts

Tall T5 - 255 watts

Starting at \$1,095.00:

Pro Series T5 – 265 watts

Pro Series Hybrid (T5 & LED) – 465 watts

Pro Series LED – 320 watts



This monster tree hit 15 feet and yielded 11 pounds of Camp Cool's special Cabernet strain.



be transported to the drying room. This can add many man-hours to an already tedious and delicate process.

Once a tree has been harvested and the buckets are filled with bud-covered limbs, the branches are taken to a drying facility, typically a garage or large indoor space. Here, all of the branches are first tagged with the strain name and then hung upside down on racks or hangers to dry for four or five days. All of the remaining fan leaves must be stripped so as to keep them from covering up the drying buds. Mold and other pests can still develop during the drying phase if the weather is humid or moist, so many drying facilities use dehumidifiers and portable heaters to keep the atmosphere at optimal levels. Giant tarp curtains are used to shield the drying buds from light, and sometimes large air filters are deployed to remove odors and keep out airborne diseases, pests and molds.

After the buds are dry, the trimming process begins. The buds are stripped off the branches and manicured to perfection by hand or, as some commercial operations prefer, by automated

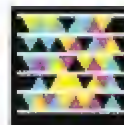
trimmers, which are a lot faster. But though automated trimming can be extremely efficient in terms of time, it's not always as gentle on the buds as trimming by hand. Still, some growers

prefer machines to manpower because hiring a great many people to trim hundreds of pounds of marijuana can be both costly and dangerous in terms of maintaining security. But there's never much reward without some risk—and the reward in this

case, assuming a perfect outdoor setup, can be an average six pounds a plant. At (let's say, for the sake of argument) 100 plants...well, you do the math. That's a pretty nice grow season! ✨

The farm profiled in the preceding article, known to many as Camp Cool Farm, is not only one of the world's premier medical cannabis farms, but it was also one of the locations used in the filming of Nico Escondido's Grow Like A Pro DVD, released in April 2011. For more information on Camp Cool and outdoor growing, or to view preview clips of the DVD visit either headshop.hightimes.com or hightimes.com/tags/nico_escondido. Thanks & grow well!

Tour Cali's monster outdoor gardens with Nico!



Get the free mobile app:
www.gettag.mobi

WORLD of SEEDS
cannabis seeds around the world
presents

The Medical Collection

 Afghan Kush x Skunk CBD 1.4% CBN 0.8%	 Afghan Kush x Black Domina CBD 1.4% CBN 0.4%	 Afghan Kush x White Widow CBD 1.4% CBN 0.4%	 Afghan Kush x Yumbolt CBD 1.4% CBN 0.4%
 Northern Light x Big Bud CBD 1.2% CBN 0.6%	 Mazar x Great White Shark CBD 1.4% CBN 1.3%	 Mazar x White Rhino CBD 1.6% CBN 0.6%	 Northern Light x Skunk CBD 1.5% CBN 1%

for more info, check out our website: www.worldofseeds.eu

by HEMP PASSION limited joint garden



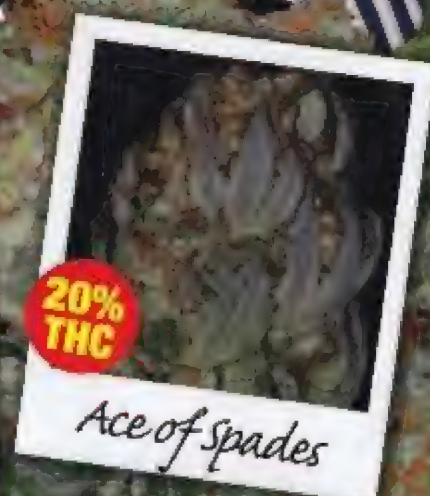
ONTARIO SEED BANK

YOUR SOURCE FOR THE STRONGEST WORLDWIDE STRAINS


THANKS FOR

10

GREAT YEARS OF GROWTH!



**TAKE A CLOSER LOOK
AT SOME OF THESE
POWERFUL STRAINS!**

 **ONTARIO'S BEST
SEED COMPANY**
EXCLUSIVE RETAILER



**green
giant
seeds**



ANNIVERSARY SPECIALS AT ONTARIOSEEDBANK.CA

SHOP IN PERSON IN A SAFE ENVIRONMENT



416-255-5355

3351 Lake Shore Blvd W - Toronto, ON M8W 1N1
MON to SAT 10am - 5pm | SUN 10am - 3pm

DANK DELIVERY LINE 416-255-9333 FREE DELIVERY ON ORDERS OVER \$25



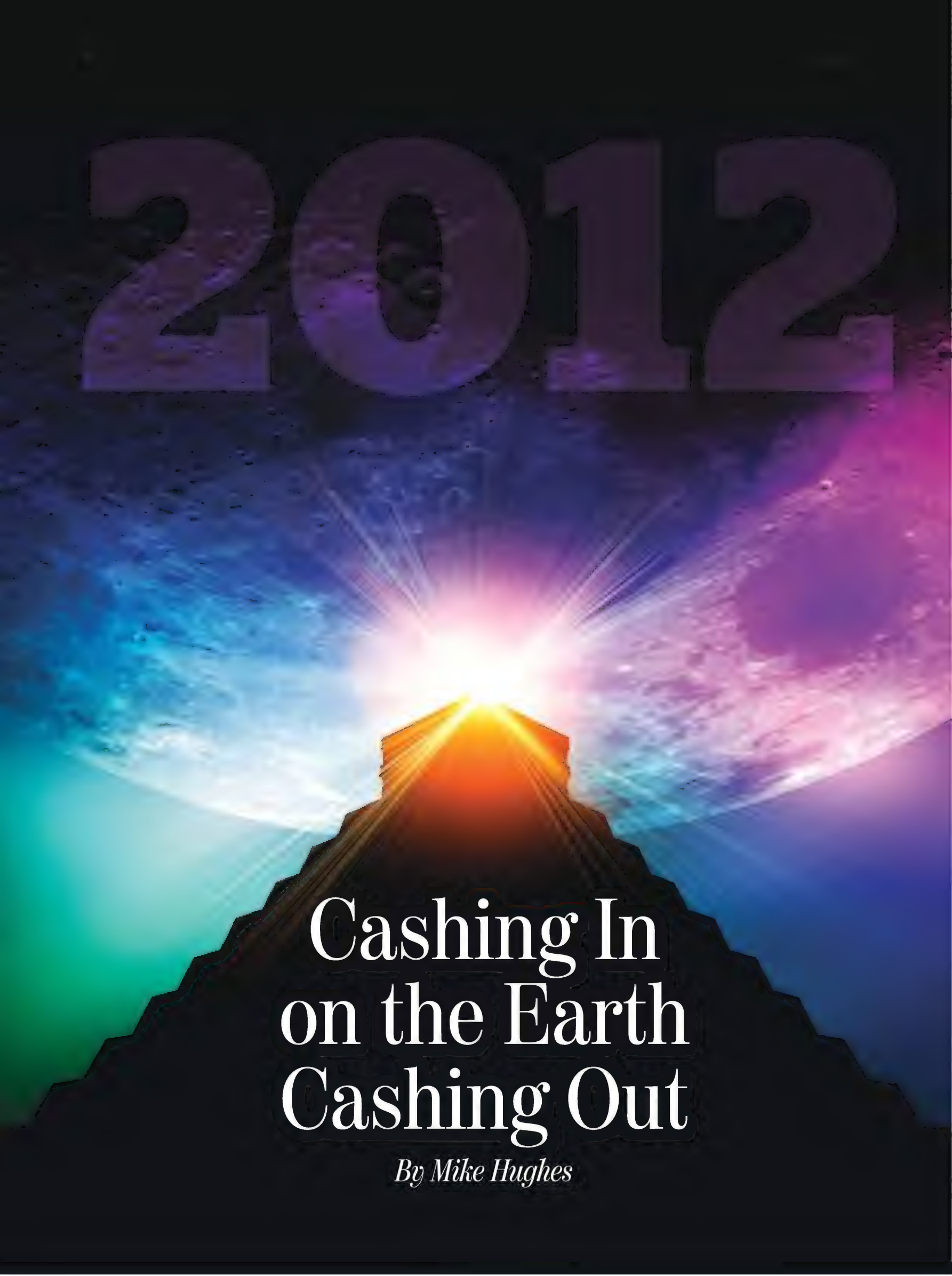
Canadian owned
and operated.

Directions: Take QEW Toronto to Cawthra Rd exit, then south on Cawthra to Lakeshore Blvd.
Go east on Lake Shore Blvd for 5 miles. Look out for the neon '420' sign on the south side of the street.

ACCORDING TO LIVE CANNABIS SEEDS IS ILLEGAL IN THE UNITED STATES. PAYABLE IN US DOLLARS FROM ANYWHERE IN THE WORLD.

**BUY
BULK
SAVE
LARGE**

50pk STARTING AT \$100



2012

Cashing In on the Earth Cashing Out

By Mike Hughes

There's a lot of money to be made in predicting the end of the world.

Take, for example, the case of Harold Camping, the Christian radio broadcaster and self-proclaimed biblical scholar whose end-time predictions brought in millions of dollars to his organization, Family Radio. In 2009 alone, Family Radio received \$18 million in contributions, and as Camping's May 21, 2011, deadline for Judgment Day approached, hundreds of devout listeners emptied their bank accounts to help him spread the word. Naturally, this left many families broke and Camping fabulously wealthy.

Needless to say, Jesus didn't make his long-anticipated earthly return on 5/21/11, the righteous didn't float on up to Heaven and the world didn't end in a fiery, horrific cataclysm—all of which had been foretold by Camping. But since he isn't shy when it comes to predicting the Apocalypse (on two earlier occasions, Camping had set the Day of Judgment for May 21, 1988, and September 6, 1994), he simply guessed again: This time it would happen just five months later on October 21, 2011—which, as you probably know, also passed without incident. After mistakenly predicting the end of the world four separate times, Camping has now decided that no mere mortal can know the date of the Rapture for certain. Unfortunately, that realization hasn't brought about the return of his followers' money.

For centuries, self-proclaimed prophets have sought to swindle the faithful by claiming a special knowledge of sacred texts. In doing so, they tap directly into a pre-existing belief system and thus are perceived as credible when they would otherwise be seen as untrustworthy or simply mad (imagine if Camping had gone around trying to convince people that the world was coming to an end based on his interpretation of a bus schedule rather than the Bible).

This same basic principle can be seen in some of the predictions and theories surrounding the 2012 phenomenon. While many well-intentioned scholars and theorists have weighed in on the subject, they unfortunately get lumped in with the con

The Tortuguero Tablet is an ancient Mayan ruin containing hieroglyphs that mention the "end date."



men (and con women) who are using the popular modern conception of the Maya—as a mysterious and wise civilization with eerie ties to the occult—to lend credibility to their outlandish theories. Once that credibility has been established, it's a lot easier to sell books, line up speaking engagements and separate the gullible from their hard-earned money.

But what did the Maya themselves intend with this whole 2012 thing? Nearly every current prediction for the Earth's demise (or massive, transformational event) is rooted in the Mayan calendar's "end date" of December 21, 2012. However, the Maya themselves are long dead—and since they weren't trying to sell books or incense or magic crystals, their specific thoughts on the subject are infuriatingly vague.

Before we take a tour of the various scenarios that some believe will play out on the 2012 winter solstice, let's examine the basics regarding that particular day.

The Mayan Calendar

The Maya are revered for what many see as their preternatural understanding of mathematics,

astronomy and time. Indeed, for a civilization that reached its height well over a thousand years ago, the Maya managed to establish an incredibly elaborate and accurate system for tracking the passage of time. The Mayan calendar is at the heart of the 2012 phenomenon in part because, all these years later, we still have no idea how they did it. Their basic cycle was the Tzolk'in, which had a 260-day count (a time period similar to the period of human gestation). The Tzolk'in was used in conjunction with the Haab', which had a 365-day count. The two calendars synched up once every 52 years and usefully kept track of specific days and events.

However, to track longer periods of time, the Maya used the so-called Long Count calendar, which follows a 5,125-year cycle that began

(when correlated with modern calendars) on August 11, 3114 BC, and ends—you guessed it—on December 21, 2012. This is the root of the many Maya-related doomsday prophecies, the idea being that these wise, mysterious people created a calendar that kept impeccable track of time for over 5,000 years and then abruptly stopped—so surely they must have foreseen the end of the world or else the calendar would have kept on going.

Yet scholars and skeptics are quick to point out that 12/21/12 doesn't signify the end, since the Maya thought of time as cyclical. Thus, they naturally believed that time would continue in the next cycle.

But wait, a 2012 adherent might proclaim, you're missing the point: Of course time and the universe will continue into the next cycle, but we here on Earth won't; hence the Maya end date, since once we've been destroyed, we won't be needing any more calendars. Which is valid enough, as far as it goes—but many scholars also believe that, far from a cause for trepidation, the Maya viewed the end of a cycle as something to celebrate. Still,

the doomsday scenarios abound because, as we've seen, death sells.

Smoke 'Em If You Got 'Em

So how exactly will the Earth bite it in 2012? There are far too many cataclysmic scenarios associated with the Mayan calendar to examine here, everything from massive solar storms to an alien invasion (and some even believe the Maya themselves were aliens who came here to help prepare us for the new age of global harmony that will kick in after 2012).

However, a few scenarios in particular have really caught on with the 2012 crowd. One such theory involves the Earth's magnetic poles suddenly—and catastrophically—changing places. Theorists claim that this has happened many times over the last 76 million years and is bound to happen again. (What's more, we're supposedly long overdue for such a reversal.) Some people claim that the process has already begun, as the Earth's magnetism is gradually weakening. However, if it occurs suddenly instead of gradually, the pole shift could trigger earthquakes and volcanic eruptions that would leave most of us very dead.

Another scenario that sets 12/21/12

as the date of global cataclysm involves a massive collision with "Planet X," also known as Nibiru—supposedly a large heavenly body orbiting the sun at the far reaches of the solar system, on a collision course with Earth. Despite the fact that this planet's existence has been thoroughly debunked by scientists around the world, some people still believe that Nibiru is out there. Attempts to inject reason into this scenario are generally met with fervent claims that NASA is involved in a far-reaching cover-up of the evidence that this deadly planet exists.

Can't We All Just Get Along Once A Large Portion Of Us Die Horribly?

Some 2012 theorists don't foresee the end of the world occurring on 12/21/12; instead, they view the final day of the Mayan calendar as the beginning of a new cycle that will usher in an era of global harmony. Unfortunately, many of these theories still involve a rather intense thinning of the planet's current population. However, on the bright side, those who survive will live together happily in a new age of peace and prosperity. These folks liken the whole process to human birth, in which

the bringing forth of new life is intrinsically accompanied by pain. According to these theorists, the best way to ensure that you're on the winning team is to get with the program early: start living a positive, forward-thinking life, and prepare for an existence devoid of the so-called technological "advances" that impede our innate ability to relate to others in a profound and authentic way.

How Freaked Out Should I Be Right Now?

The truth is that no one knows for certain what December 21, 2012, has in store. While it's likely that date will bring about nothing more noteworthy than the year's shortest period of daylight (as it does every winter solstice), apocalyptic visions will continue to proliferate—an indictment of sorts of our society in and of itself. Ultimately, it's up to us to examine the evidence and draw our own conclusions. In the process, however, beware of false prophets bearing prognostications of doom, as history is filled with opportunistic swindlers and con artists using the sacred (or the esoteric) in an attempt to cash in. ✨

got potpourri

OUR PRODUCTS

SOUTHERN MAX

Bliss

blue dream

BLUE MAGIC

BAKED BEANS

RAIN

Pineapple Rolling Papers

WE ALSO SELL PREMIUM ROLLING PAPERS, BAKED BEANS, LIGHTERS >>>

WWW.GOTPOTPOURRI.COM 1-855-668-3599

NEW STRAINS





HORTI LAB

SUPERSOURKUNK

SOURAMNESIA



WWW.HORTILAB.NL

ORIGINAL SEEDS AVAILABLE

at WWW.CANNABIS-SEEDS-BANK.CO.UK



INTRODUCING THE GROWOLOGY SYSTEM. FERTILIZATION THAT'S AS SIMPLE AS 1-2-3.

Includes a beneficial mycorrhiza, a fungus that grows around a young plant's roots to increase nutrient and water uptake

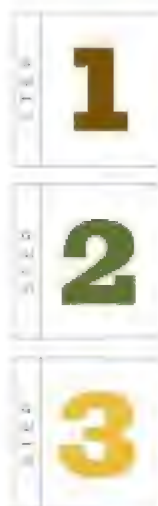
Our 20-5-10 formula provides essential macro and minor elements for rapid growth through a plant's vegetative phase.

Our 10-30-10 formula provides the macro and minor elements a plant needs to produce a profusion of dense buds.



GROWOLOGY

Learn more at douggettsimpson.com



Hollow Pointz™

Reusable/Disposable Pipes

Hollow Pointz™ is for those on the move, who do not want to waste time on rolling paper or money on expensive pipes. We provide you a way to have the cleanest smoke by giving you the option to pack a new Hollow Pointz™ pipe at your own discretion. Hollow Pointz™ pipes are the cheapest, most non hassle way to smoke on the planet.



770-547-4738

HollowPointz.com

Sales@hollowpointz.com

Introducing the World's First

Stationary



**Round Air Stone
with Suction Cups**


innovative grower
innovativegrower.com
1-877-99-iGROW



FREEZE DRY

SPINNING

PAYLOAD

elemental

WINDING

crystal mountain 1-877-232-4769 www.crystallmountainproducts.com

Celebrating 44 years in organics!

Green World Path
The World Leader In Organics And Beyond

Manufacturers of organic and natural fertilizers customized for your growing needs

- Major and micro nutrients
- Nitrogen producing biologicals
- Pest controls and fungicides
- Full manufacturing & research lab
- Also produce vertical GrowTowers
- Your label or ours*

*Buy direct or become an associate marketer

greenworldpath.com
Ph: 352-799-0200
1665 Donto Way
Brooksville, FL 34601
USA

Say Goodbye to Smoke Odors!

Hello Neighbor®

Blow-Thru Smoke Odor Neutralizer

Instantly eliminate unwanted odors • Removes Smoke from the Air!

Looks like Chapstick for discreet use • Long Lasting • 100% Non Toxic • Available in Six Great Scents

Jasmine Coconut
Vanilla-Rub Cherry
Orange Kiwi Cool

Personal, Portable, Powerful!

Finally, A Breath of Fresh Air...
Inexpensive and Disposable!

Get the High Times special at
www.helloneighbor.com/ht
or ask for it by name at your local smoke shop.

For wholesale inquiries contact 1-877-272-1570

Made in the USA by **Supermint Inc.**



by DAVID
BIENENSTOCK

JEREMY PIVEN

The multiple Emmy award-winning actor talks about smoking with Snoop Dogg and our need to legalize the “herbal medication” as soon as possible.

THE HIGH TIMES INTERVIEW

Despite the fact that it’s a phone interview and he speaks with the exact same voice you recognize from television, it only takes a moment to realize that Jeremy Piven is not, in fact, a lot like Ari Gold, the brash Hollywood agent he played to great acclaim on HBO’s *Entourage*. Nor does he in any way resemble Droz, the Type A slacker who led the understimulated coeds of 1994’s *PCU* in search of packed bongos and good times.

In fact, Piven comes across as downright shy, not to mention a little wary of talking on the record with a notorious pot magazine. Naturally, he’s most interested in discussing *I Melt With You*, a new feature film in which he stars (along with Rob Lowe, Thomas Jane and Christian McKay) as one of four college buddies getting together in Big Sur, CA, for a drug-fueled annual reunion that eventually threatens to spiral out of control—all set to a killer ’80s New Wave/punk soundtrack meant to recall an earlier but no more innocent era when these guys were actually young enough to party this hard.

Ironically, it’s exactly the kind of low-budget, high-risk film that *Entourage*’s Ari would be dead set against for one of his high-profile clients. Piven even felt compelled to apologize to his own mother, whom he invited to the world premiere at the Sundance Film Festival, after the movie’s searing depiction of sex and narcotics left his longtime acting coach with

decidedly mixed emotions about seeing her son go to such a dark place on the big screen.

On the other hand, Piven has fond memories of seeing his favorite stoner comedies at a formative age, supports the full legalization of what he calls “herbal medicine,” and certainly didn’t just say no the night Snoop Dogg passed him a blunt on the dance floor. Overall, his views on pot are supportive and nuanced—just don’t expect him to start naming his favorite strains...

What do you think *I Melt With You* has to say about drug use? What’s the takeaway for an audience?

It’s a pretty gonzo journey that’s not didactic in any message about drug use. There are some characters that need to medicate themselves to the point that they’re not present, to avoid feeling the pain that goes along with being human. We’re not talking about herbal medication, by the way; we’re talking about man-made substances...

Is the distinction between “herbal medicine” and

something “man-made” an important distinction for you personally?

I think it is. There is a very big distinction—I think that they’re two completely different experiences.

Throughout *I Melt With You*, there’s a kind of search for epiphany that’s related to some of the drug use in this film. Do you think that a character—or even a real person—can gain useful self-knowledge that way?

Mushrooms and peyote and whatnot, they’ve been used in different cultures for



thousands of years to unlock parts of your mind that you don't necessarily pay attention to. But in this particular case, the epiphanies come about because of the events of the movie; they're not pinned directly onto drug usage.

"Obviously people are going to find a way to smoke marijuana, whether it's legal or not legal. So you gotta figure: If they made it legal and taxed it, that would be a really great way to find some more income for this country."



One thing we've always really appreciated at **HIGH TIMES** about *Entourage* was the way marijuana could be portrayed as something that can be part of the background in a scene, as opposed to always driving the narrative: "...and then they go get White Castle or something." Was that a conscious decision?

Well, like most of the things on *Entourage*, we tried to keep it as authentic as possible, no matter what we were dealing with...Really, it all stems from Mark [Wahlberg] and his crew [upon whom the series is based]. We kind of took dramatic license, of course, but Mark had a Rasta in his crew—his name was actually "Rasta"—and there was certainly, shall we say,

some experimental use of the herbal medication going on, if you know what I'm saying. So that came from a very real place and from a very real character. I think that's what you're sensing with the authenticity: It didn't have to be some sort of broad comedy proposal just because a character smoked weed.

Was there a kind of pot consultant or stylist or somebody on set tasked with keeping the authenticity there?

I don't believe we had a dramaturge for the herbal medication, no. But to be honest, because it wasn't my story line, I don't really know how it was dealt with exactly.

How would you describe Hollywood's view of pot right now?

Are people pretty open about the fact that they use marijuana or medical marijuana, or is it something they tend to keep under wraps?

I really don't have a clue, but I do know that obviously people are going to find a way to [smoke marijuana] whether it's legal or not legal. So you gotta figure: If they made it legal and taxed it, that would be a really great way to find some more income for this country, don't you think?

I think that HIGH TIMES can certainly endorse that position.

Yeah, exactly—sorry, I'm just stating the obvious.

Obvious to us, maybe, but there was a federal press conference recently announcing

"Yeah, I've enjoyed the herbal medication with Snoop before. I have... I'm not going to lie."



a crackdown on medical marijuana in California. Do you know anybody who's used marijuana medicinally?

Sure, absolutely. There are obviously a lot of different uses for the herbal medication.

I might even have seen a picture of you and Snoop enjoying the herbal medication. Have you seen that picture?

Yeah, I've enjoyed the herbal medication with Snoop before. I have...I'm not going to lie.

How did that come about? Did you just meet him that night, or were you guys hanging together or...

It was just one of those things.

I don't think we're going to "out" Snoop, by the way.

Exactly...Listen, I don't think that's a variable; we both know that. But I'm also speaking for myself, and I'm not a dummy, you know what I mean? I understand how this goes—but what I really want to do is promote a film I'm incredibly proud of. And if you're interested in doing that, I'm totally down.

Okay, so then what first attracted to you to *I Melt With You*?

I just thought it was an incredibly brave piece, where you have to kind of fully immerse yourself in it and be emotionally available. I was

actually sitting in the exact same chair I'm sitting in now when I first read it, and I remember dropping the script and knowing that I had to do it.

I've never been a part of a project that had more of a true independent spirit. This was a group of guys coming together and working for scale, bringing their own wardrobes, and just figuring out a way to shoot it on these beautiful little cameras and let's get it done. What did it cost? Bare bones—we didn't have any trailers, but I had the time of my life. I worked my ass off, and that's what it's all about, man.

And how did you enjoy shooting in Big Sur along the coast?

It made for a beautiful backdrop because it's so stunning and dramatic and open and wide, so our location juxtaposed the very claustrophobic story we were telling and really opened it up. It ended up being the perfect place. It would have been easy to go to Vegas and shoot this and get really dirty, but that would have been redundant. I love that we did it in such a naturally beautiful place.

Obviously, you ended up with a really intense film. Are you also a fan of mellower stoner comedies, like the Seth Rogen/Judd Apatow-type movies?

I've been a fan of stoner movies since Cheech & Chong. I even liked watching Dave Chappelle get stoned on film; that was always a treat. I just think it's a fun comedic proposal, because everyone kind of acts differently depending on circumstances—your level of experience, how much you've done, all that kind of stuff. The comedy can be endless.

When you're out and about, do people bring up *PCU* a lot, or is that kind of a blast from the past at this point?

PCU is one of those





SPECIALTY HYDROPONICS

com

OUR SPECIALTY IS LOW PRICES toll free: 1-888-821-8996

FEATURED ITEM

- Extreme Air Cooled Reflector
6" or 8" Dimensions (10" H x 30" w x 42.5" L)
- 1,000 Watt Dimmable Digital Ballast
- 1,000 Watt Super HPS Bulb

\$399.99*

AVAILABLE WITH MAGNETIC BALLAST
FOR ONLY
\$279.99*

COMPLETE LIGHT SYSTEM

Complete grow rooms includes growing system, lights, light hangers, in-line fan, carbon filter, hygrometer/thermometer, timer, clip fan, and more.

HYDRO 3X3 GROW ROOM: \$889.99
HYDRO 4X4 GROW ROOM: \$989.99
HYDRO 4X8 GROW ROOM: \$1,889.99
SOIL 3X3 GROW ROOM: \$639.99
SOIL 4X4 GROW ROOM: \$679.99
SOIL 4X8 GROW ROOM: \$1,249.99

Complete digital system includes Dimmable digital ballast, bulb & wing reflector.

400 WATT DIGITAL SYSTEM: \$159.99
600 WATT DIGITAL SYSTEM: \$175.99
1,000 WATT DIGITAL SYSTEM: \$269.99

COMPLETE GROW ROOMS

<FREE SHIPPING>

COMPLETE DIGITAL LIGHT SYSTEMS

<FREE SHIPPING>

- EXTRACTION BAGS starting at \$35.00
- DRYING RACKS starting at \$12.00
- TRIMMERS starting at \$379.00

- 1,000W GROW LIGHT SYSTEM starting at \$189.99
- ADJUSTABLE WING REFLECTORS starting at \$99.99
- DIMMABLE DIGITAL BALLAST starting at \$124.99

Free Shipping on Orders Over \$100*

*DOES NOT INCLUDE OVERSIZED OR BULKY ITEMS

CONFIDENTIAL • SECURE • DISCREET

www.specialtyhydroponics.com

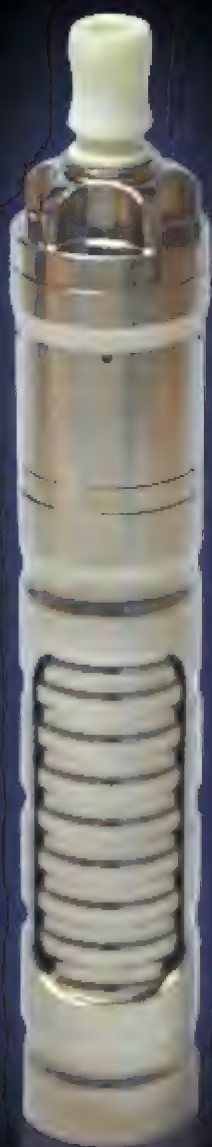
PRODUCTS NOT INTENDED FOR ILLEGAL USE

WE ACCEPT VISA, MASTERCARD & MONEY ORDERS



The HIGHEST Standard

The next generation of
high powered portable
herbal vaporizers



Actual Size Shown. Use "HT10" Promo-code for 10% off any purchase. Valid 2011.

By **THERMO
ESSENCE** 
technologies

Made in the USA

www.thermovape.com

under-the-radar cult classics. It's become part of the college ritual to watch it—which is very flattering, because when we were doing it, I felt that it was really funny and was very proud of it. The fact that it's lasted is a nice feeling.

Were you able to relate to a character that likes to party like that?

Well, in high school, I played football and I acted and, basically, worked hard and played hard, so I could relate to that. But I was never a leader among men like Droz.

If you had to guess where that character might be today, a little more than 15 years later?

Where would Droz be today? That's a great, great call. There's a part of me that wants him to have figured out his niche and found happiness...either that or he's selling used cars somewhere, miserable. I don't know. I don't know where he is.

I know a few people who run the different medical-marijuana dispensaries, and assuming he's matured over the years, I think he would be a good fit for that.

That's an excellent call. I can see him very much doing that.

Is there someone you've always wanted to portray in a biopic?

Yeah, I'm a huge Keith Moon fan—I think he was a pretty brilliant, original, reckless, wildly pelted and an underrated drummer. He was like a perfect gentleman during the day, and then at night became this whole other person. He was the first rock star, the first guy to get out there and play brilliantly and then drive his Bentley into a pool.

I'm also a huge Marlon Brando fan, as is every actor, obviously. He was an incredibly brilliant and eccentric maverick, and I'm just dumb enough to want to give it a whack.

Any other projects in the works that we should know about?

Yeah, believe it or not, I'm going to pull a 180 after *I Melt With You* and play opposite the lovely and talented Miley Cyrus. I bet you never thought I'd say that. It's called *So Undercover*—and I'm not kidding.

Sounds interesting.

It's really funny, actually. When I first heard about it, I didn't know why they were interested in me at all, but then I realized that this is a chance to do a role that I've never done—and Allan Loeb is a really prolific and funny writer. It was just so fun, and I had great chemistry with Miley. I never, ever would have guessed that.

She claimed she was smoking Salvia divinorum in that video on the Internet with the bong. Have you ever tried that?

I never have, no.

Did you see the video I'm talking about?

No, I was shampooing that night, so I missed the video.



Piven does research for a "roll" in Snoop's herb-laden entourage.

Can you think of anybody who'll be really excited that you're going to be in HIGH TIMES?

Absolutely. My friend Spoonie... Spoonie G. He loves HIGH TIMES.

There's something about "Spoonie" that makes me suspect you guys grew up together.

When a guy is in his forties and his name is Spoonie G, you know you have some history with him.

I'm sure he'll be excited about the shout-out. I assume we can print Spoonie G's name and not cause him any undue harm, right?

He will fall off his toilet seat...and I think we might have to end on that note.

Sounds good. Thanks again, and if you ever need anything from me or HIGH TIMES...

Now you're going to make me start thinking, "What do I need from HIGH TIMES?" Thank you for offering. I like the offer.

You got a favorite strain?

You know what? I don't—but I love that you offered. It's one for the books. I can tell my friends...

You can tell Spoonie.

I can tell Spoonie G, "Man, they offered me some craziness."

We're having a HIGH TIMES Medical Cannabis Cup in Los Angeles this February. I'm putting you and Spoonie down on my guest list.

I love that! Thank you, bro. 🌿

"Expansive outdoor coverage of Northern California's grow scene, including Humboldt, Mendocino and Trinity counties." –Danny Danko, HIGH TIMES Senior Cultivation Editor

NICO ESCONDIDO'S **GROW LIKE A PRO**



- Learn specific techniques for cloning, topping, pruning, harvesting and much more.
- Unprecedented visual cultivation material covering indoor, greenhouse and outdoor techniques.
- Never-before-seen grow footage, shot in HD, of America's top medical grow operations.
- Exclusive scenes from Colorado's most progressive medical grow ops, including gardens in Denver, Pueblo and Boulder.
- Extensive bonus features, including the world's first-ever onscreen interview with Chemdog, the legendary breeder of some of the world's best strains.

"Loaded wall to wall (literally!) with grow info."

–Dan Skye, HIGH TIMES Executive Editor

NICO ESCONDIDO, HIGH TIMES Cultivation Editor, is world renowned for his growing expertise and has specifically created this DVD for beginner *and* advanced growers. This DVD is an excellent resource for patients just starting out on their first medical garden as well as expert growers looking to pick up a few extra tips and tricks.

***Order online at
headshop.hightimes.com***

HOMESTEAD'S EZ GRO MUSHROOMKIT

Now IMPROVED
to make it
easier
then ever

Only
TWO EASY
steps



The EZ Gro Mushroomkit is the easiest way to grow your own mushrooms...

1. Mix the grain and Psilocybe Cubensis spores together without ever having to open the sterilized bag.
2. After the grain has been colonized, mix it with the bag of compost.

That's all there is to it!

- Put the kit in a warm place
- Wait a couple of weeks for your mushrooms to grow
- No need to water it or even look at it
- Just go away and leave it alone
- The mushrooms grow automatically

It's That Simple!



We include:

- Complete instructions with color photos

PLUS:

- A free DVD shows everything you need to know
- Awesome videos of mushroom farms in Holland.

The EZ Gro Mushroomkit

Includes everything you need:

- Psilocybe Cubensis spores
- Grain
- Our world famous special blend of mushroom compost

- The price is only **\$105** plus **\$15 shipping** for a **Total of \$120**

- Washington State residents Please add Sales tax of \$10.68

**Order
Toll-Free
at
800-426-6777**

- ☐ **EZ Gro Mushroomkit:.....\$120**

2-step grow-it-yourself kit includes Psilocybe cubensis spores and shipping. *Sorry, not sold outside the USA.*

- ☐ **The Mushroom Cultivator:.....\$40**

The biggest and best book ever published on growing mushrooms, 400 pages, color photos.

Order Toll-Free Today! 800-426-6777

Visa, MasterCard, American Express, and Discover cards accepted. Checks take longer to process than money orders.

Questions?

Phone: 206-782-4532 or

Email: info@homesteadbook.com

Homestead Book Company

P.O. Box 17444

Seattle, WA 98127

Serving you since 1972. Our 36th year. Sorry, no COD's. Washington State residents please add 8.9% sales tax.

Name: _____

Address: _____

City _____ State _____ Zip _____

Total Enclosed: _____

Visit us online
at
www.homesteadbook.com

Homestead Book Company
P.O. Box 17444
Seattle, WA 98127

ACQUISITION OF LIVE CANNABIS SEEDS IS ILLEGAL IN THE UNITED STATES | PAYABLE IN US DOLLARS FROM ANYWHERE IN THE WORLD

DINAFEMSEEDS.ORG

ORIGINAL AMNESIA
Super Strong, Quick to Flower, Strong
10g \$18.00
25g \$35.00
50g \$65.00
100g \$125.00

CRITICAL+ AUTOFLOWERING
Best Taste, Fast Grow, by Dinofem
10g \$18.00
25g \$35.00
50g \$65.00
100g \$125.00

CRITICAL JACK AUTOFLOWERING
Sweet & Potent, High Production
10g \$18.00
25g \$35.00
50g \$65.00
100g \$125.00

MOBY DICK
Strong Effect, Super Productive
10g \$18.00
25g \$35.00
50g \$65.00
100g \$125.00

CRITICAL+
New Formula, More Production!
10g \$18.00
25g \$35.00
50g \$65.00
100g \$125.00

POWER KUSH
High Yield, Sweet Taste
10g \$18.00
25g \$35.00
50g \$65.00
100g \$125.00

CRITICAL JACK
Big Buds, High Potency, Critical Flower
10g \$18.00
25g \$35.00
50g \$65.00
100g \$125.00

CHEESE
Old Cheese, Tastes Like Gold
10g \$18.00
25g \$35.00
50g \$65.00
100g \$125.00

WHITE WIDOW
Resin and potency together
10g \$18.00
25g \$35.00
50g \$65.00
100g \$125.00

INDUSTRIAL PLANT
Produce more & quicker
10g \$18.00
25g \$35.00
50g \$65.00
100g \$125.00

HAZE AUTOFLOWERING
Haze Taste, Big Flowers, 70 Days
10g \$18.00
25g \$35.00
50g \$65.00
100g \$125.00

FRUIT AUTOFLOWERING
Fruity taste in 60 days
10g \$18.00
25g \$35.00
50g \$65.00
100g \$125.00

FEATURED STRAINS

Don't Trust Your Herb to Just Any Bag!

Realize the benefits of storing your herbal medication in
First Quality Oven Bags

Preserve Freshness

- Highest quality food grade nylon resin.
- Guaranteed to be free of pin holes.
- Exceptionally strong seals.
- Excellent gas and aroma barrier.

Safe & Convenient

- Only manufacturer of nylon oven bags that is a 510K FDA registered medical device manufacturer.
- Can be trusted to protect your medicinal herb products.

First Quality is a family owned business founded in 1956 and located in Schuylkill Haven, PA (USA).

**Keep It Safe!
Keep It Fresh!**



First Quality Oven Bags are available in Turkey size (19" x 23.5") and Large size (16" x 17.5") in packs of 100, 25 or 10.



For more information
Call toll-free 877-726-7287
www.firstqualitybags.com



First Quality



VAPORIZER BAGS

FOODSAFE

FLAVORLESS

ROBUST

HIGH HEAT TOLERANCE



Each roll yields six balloons at
a length of 24 in (60 cm).

Each balloon, made of food
grade polyester, will generally
last for as many as 50 uses.

For more information
Call toll-free 877-726-7287
www.firstqualitybags.com

TESTNEGATIVE.COM

Guaranteed Quick & Easy solutions!

Incognito Belt™

GO UNNOTICED - UNDETECTED!



- 100% Effective
- Works for All Tests
- Totally Undetectable
- Highest Quality Toxin Free Synthetic Urine
- No Mixing Required
- Ideal Heat Source - Heat Pads included
- Unisex - Male or Female Use
- 200% Double Your Money Back Guarantee

\$125^{ea} Buy 3 get 1 Free

NOW AVAILABLE

Presenting the NEW Oral Clear™ GUM



The world's first Saliva Neutralizing Gum.
The BEST Saliva solution available.

- Works on all toxins including Nicotine!
- No abstinence period is required prior to using this product.
- Effective in just 30 seconds and effect will last 30 minutes
- 200% Double Your Money Back Guarantee

\$90^{ea} Buy 3 get 1 Free



- World's Smallest, Most Potent, Undetectable Urine Purifier ever Created!
- The Solution for Random EMIT Test or Test Panel Testing
- Formulated to Destroy ALL Toxins on Contact
- Simple to Use - Just Pour into Sample
- 1.5mL Micro Vial - Ultra Small & Easy to Conceal
- Good for Up to Two Tests
- 200% DOUBLE Your Money Back Guarantee

\$125^{ea} Buy 3 get 1 Free

Online Ordering

TestNegative.com

Call Toll-Free - 24hr Ordering Hotline

1.866.900.5656

1.877.420.7277



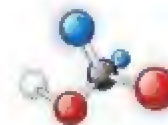
RUSH! - Next Day Delivery Available

CHECK LOCAL, STATE AND FEDERAL LAWS BEFORE ORDERING

ClearChoice®

TRUSTED SINCE 1993

AUTHORIZED DEALER



HFS™
HAIR FOLLICLE
SHAMPOO

- Simple Two Step Process
- Removes All Toxins within Minutes
- Clear Zone for Up to 8 hours
- For Any Hair Length
- Safe for the Hair and Scalp
- 200% DOUBLE Your Money Back Guarantee

\$75^{ea} Buy 3 get 1 Free

HIGH TIMES READERS

get \$5 OFF

(use coupon code: 5off)

FREE PRIORITY SHIPPING
on all web orders over \$135

Strictly Confidential/ Discreet Shipping



All major credit cards accepted

Discount Grow Lights.com

Where Your Savings Grow

888-370-5819

grodan



**Advanced
Nutrients**



Sunlight Supply Inc.
National Garden Wholesaler



BOTANICARE

New Store Location

Northampton Business Park

1565 Route 37 West Unit 13

Toms River, NJ 08755

DiscountGrowLights.com

Products are intended for indoor use

www.420TAXPREPSERVICES.com

E-FILE 420 E-FILE

MULTI SERVICES INC.
TAXES IS WHAT WE DO

\$25 OFF WITH AD

**LET OUR KIND BUDS
TAKE CARE OF YOU
THIS TAX SEASON**

**WE DO ALL 50 STATES
REFUND TRANSFERS
NO OUT OF POCKET FEES
FRIENDLY PROFESSIONAL
KNOWLEDGEABLE STAFF**

1035 Morris Park Ave BX, NY 10461

Phone: 718.409.9340 • Fax: 718.409.9342

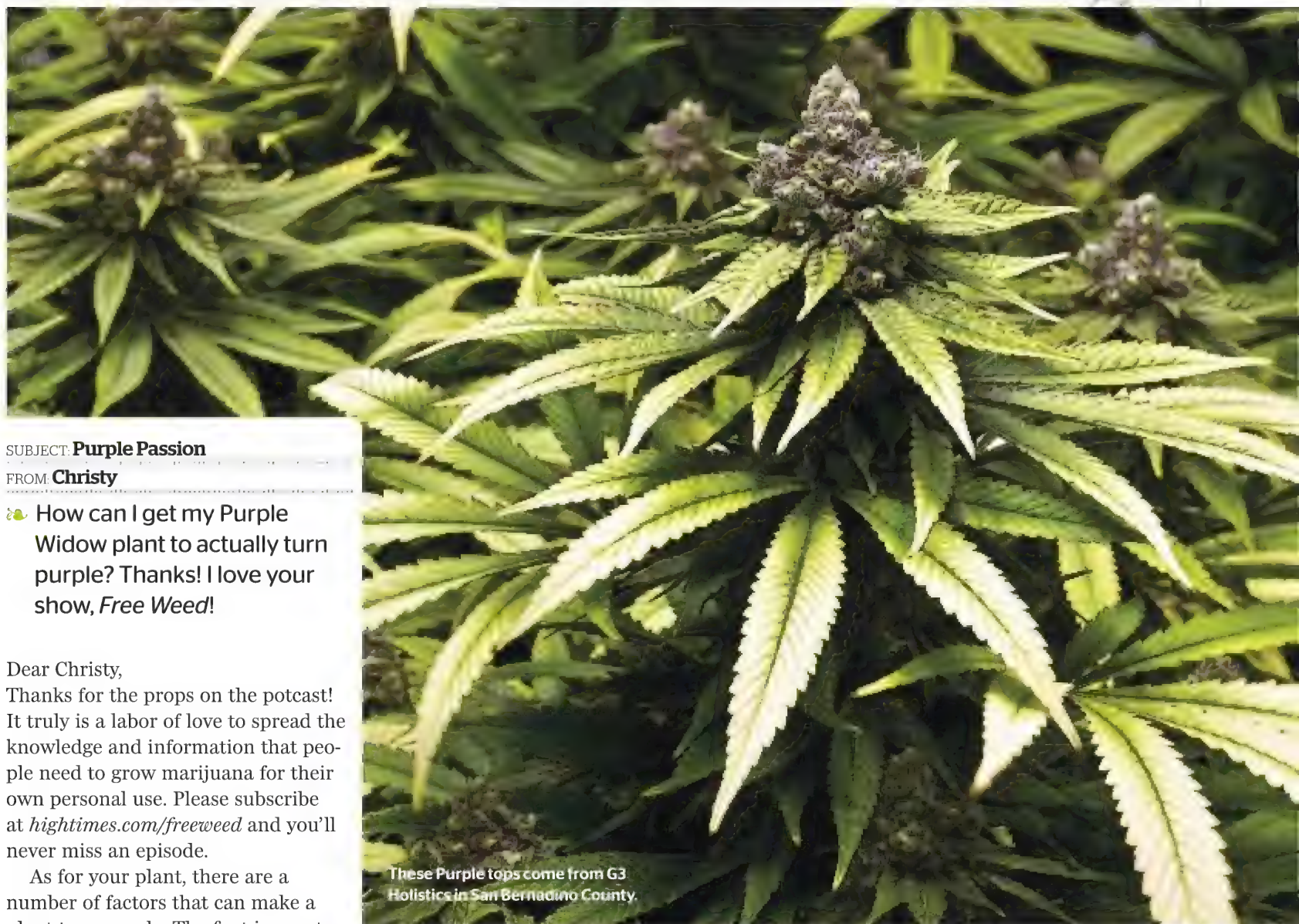
Hours: 10am-9pm 7 Days a Week

Expert Grow Advice

Bud Rot, Light Leaks, Switching to Hydro, Trellising and More.



Send your cannabis cultivation questions to deardanko@hightimes.com



SUBJECT: **Purple Passion**

FROM: **Christy**

🌿 How can I get my Purple Widow plant to actually turn purple? Thanks! I love your show, *Free Weed!*

Dear Christy,
Thanks for the props on the potcast! It truly is a labor of love to spread the knowledge and information that people need to grow marijuana for their own personal use. Please subscribe at hightimes.com/freeweeds and you'll never miss an episode.

As for your plant, there are a number of factors that can make a plant turn purple. The first is genetics—some plants turn purple simply because that trait is in their DNA. These are strains such as Granddaddy Purps, Grape Ape and the Black; as they mature, they'll exhibit a darkening of leaves and buds.

Another factor that can make many plants turn purple is cold weather as harvest time approaches. Plants that survive cold nights (without frost, of course) will turn purple; indoors, this can be re-created by letting the room get colder using outside air (in the winter) or by running AC during the hotter months to bring the temps down to under 70°F during the night cycle.

These Purple tops come from G3 Holistics in San Bernadino County.

SUBJECT: **Mites or Mold?**

FROM: **P.**

🌿 I'm getting what look like spider mite webs, but they only manifest two weeks before harvest, and when I pick off them with my finger, the web sack smells like mold. The "product" is a standard strain, nothing special, as this is mostly a rewarding hobby. I use a 250-watt high-pressure sodium (HPS) light for flowering and a 250-watt metal halide (MH) for veg, plus I have constant airflow and circulation. I've seen no signs at all of spider mites (assuming that's what they are) until right around harvest time. Could it be a strain of mold, seeing as

it smells a bit moldy (and the "web" does appear to be slightly fuzzy)? It's always at the base of the flower where it connects to the stem. Any ideas?

Dear P.,
Sounds to me like your problem could be some sort of airborne mold that looks similar to webbing when it attacks. Does it spread throughout the bud, or is it isolated to one area? If it spreads, it's most likely a mold issue, and you need to make your area less humid and take preventative measures such as burning sulfur.

The other possibility is that these are cocoons for moths or butterfly larvae.

Danko Tip: Pruning lower branches that won't reach the canopy level encourages more growth up top.

A hydroponic clone being misted with nutrient solution.



Are there moths in your space? Your description sounds like it could be a case of powdery mildew, but your mention of a “web sack” makes me think it could be some sort of nesting bug.

SUBJECT: Light Leak
FROM: G.

Does the light from an infrared LED camera affect the photoperiod if used at “night”? I need to know if my security equipment might keep my plants from flowering. Thanks!

Dear G.,
For the answer to this question, I conferred with my colleague, HIGH TIMES cultivation editor Nico Escondido, whose knowledge of lighting and spectrum is

second to none. Here’s what he tells me: “The entire visible range of light from 400 nanometers to 700 nm—and some wavelengths in the near-infrared (700 to 1,000 nm)—are highly active in driving photosynthesis in most plants. However, the most familiar plants containing chlorophyll *a* generally cannot use light in wavelengths longer than 700 nm (and no organism on earth can process light over 1,000 nm), so infrared is not considered part of the photosynthetically active radiation (PAR) that plants process during photosynthesis. Still, it’s important to note that light in the red wavelengths carries the heaviest amount of photons, or light energy, that plants use to make food (glucose). So to prevent any confusing signals that may stress your plants during their dark cycle, it’s best to avoid

bringing any light into the garden while the ladies are sleeping. If you have to use light for nighttime work, low-intensity green light is the safest bet, as plants absorb the least amount of green spectrum, with most of it reflected by leaf pigments.”

Thanks, Nico! And be sure to check out Nico’s *Grow Like a Pro* DVD at headshop.hightimes.com.

SUBJECT: Switching to Hydro
FROM: Chad

I’m a soil grower and have been for a while now. I want to change to hydroponics, maybe deep-water culture (DWC). Do you think this might be a good move? I’m in a confined area (4’ x 3’), so I have 12 square feet of total grow space. I want to grow a few plants with more tops. Should I employ a Sea of Green (SOG) or Screen of Green (ScrOG) setup? I have some great materials on hand: the orange plastic fencing that construction crews use to keep people from falling into holes.

Height isn’t as much of an issue as heat is: I want to add a 600-watt HPS to the 360-watt LED I’m currently using. If I bought a portable air conditioner, do you think that would help offset the heat from the light? I have a 424-cfm inline fan running from my carbon filter that I would duct to my 600-watt light to help cool it too, but I can’t vent the air out; I need to have a sealed room because of my living conditions. Any comments you have would be great—good or bad, I’m ready to hear it, homey! By the way, you guys OWN!

Dear Chad,
Wow, thanks for the kind words! Switching from soil to hydroponics isn’t nearly as tough as you might think—you just have to keep a few more things in mind and get yourself some meters, and the results can be astonishing. The biggest benefit of going hydro is the explosive growth rate that can be achieved when everything is dialed in properly. The drawbacks become a factor only when there’s a breakdown in temperature control, pump timers, etc.

You’re right to consider deep-water culture. DWC systems employ large buckets with plenty of room for roots to expand as they’re bathed in oxygenated nutrient solution. Each plant will yield much more, but in turn they’ll

Danko Tip: Foliar-feeding with compost tea during the vegetative stage rinses dust from leaves, provides a mild nutrient solution to your plants and protects them from pests and disease.

need more room for their branches. A ScrOG setup works well with DWC due to the rapid growth of new shoots and branches. Using the fencing you describe, you can create a horizontal canopy at the level you want for your plants and then train the shoots under the netting as they grow. The idea is to fill out the empty spaces with shoots, which will each become a flowering top as the blooming stage progresses.

The portable air conditioner should solve your heat problems, but don't skimp on a cheap one or one that can't handle your space.

SUBJECT: Heavy Branches

FROM: Chronic Dave

🌱 Danny, please keep up the good work! I read *HIGH TIMES* cover to cover the day I receive it, and then I'm bummed that I have to wait another month for the next issue. This summer, we grew a Tangerine Dream plant along with a few other types outdoors. The TD grew fast and hardy, but when it was around 10 feet tall, the main stalk split in half, right down the middle.

We're saving it gingerly, with much plant shock. For next year, can you offer any suggestions on supporting heavy branches with something other than plant stakes? A friend suggested some sort of concrete fencing that has 7-inch holes that allow you to reach in and water, but I couldn't find any such type of chain-link-style fencing made from concrete. My grow is approximately 15 feet long and 3 feet wide. Thanks for any advice!

Dear CD,

So glad to hear that you enjoy the magazine so much! One of the dangers of growing monster-sized plants outdoors is that their very weight makes them difficult to support without help. I've seen many innovative trellising systems, but by far the easiest is to use strong wire fencing as a cage around the plants and let the branches grow through the many holes. As long as the fencing is secure, the branches will stay standing.

Also, cannabis has a very strong survival instinct, so when branches break or split, they can be placed back together and secured using strong tape or wrapping. Many times, the branch will recover and continue to thrive, even after what looks like a catastrophic break.

SUBJECT: Removing Leaves

FROM: Pete

🌱 How do you feel about pruning off damaged or dying leaves? Does the plant still benefit in terms of energy production from a damaged fan leaf?

Dear Pete,

I don't recommend pruning healthy leaves unless it's during the vegetative stage and you're strategically removing large fan leaves that shade out growing shoots. Otherwise, leave lush, healthy green leaves alone so they can do their job: converting light energy into plant cells.

Damaged or dying leaves, however, are another story and should be dealt with accordingly: They must be removed to avoid creating a place for pests and disease to spread. Both will attack plants at their most vulnerable point, so keeping yellowing, brown, burnt or dying leaves on the plant only encourages problems to develop.

Also, when you remove the leaves, don't simply toss them on the growroom floor, where they can still cause many problems. I can't tell you how many gardens I've visited with dead leaves all over the place. Be sure to dispose of them properly. They're perfect for the middle of a compost pile: Worms love them and end up throwing a party and inviting all their friends to feast on the tasty cannabis.

SUBJECT: Too Much Fan

FROM: Rebecca

🌱 Hey, Danny—thanks for all the helpful tips you provide!

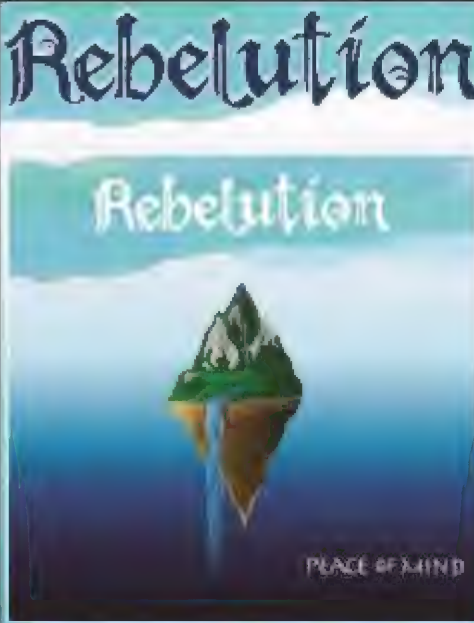
We've had various closet/guerrilla grow projects over the years, but this time we're getting serious. We purchased a 4' x 4' grow lab and have a 400-watt MH light for veg and a 600-watt HPS for flowering, with a flexible ballast and a nice reflector hood.

After we got things going—perhaps we waited a bit too long—we installed ducting and an exhaust fan. Our local

Fan leaves on this Purple Kush plant are healthy and lush.



Danko Tip: Always store dried and cured cannabis in sealed, airtight jars in a cool, dark place.



Rebelution

Rebelution

PEACE OF MIND

Rebelution

Rebelution

NEW TRIPLE DISC ALBUM

PEACE OF MIND

AVAILABLE JAN 10TH

3 LP SET INCLUDES FULL ACOUSTIC & DUB ALBUM VERSIONS

NATIONAL HEADLINING USA TOUR JAN-MARCH

* WITH SPECIAL GUESTS JACOB HEMPHILL (OF 101A) JOHN POPPER & ZUMBI (OF ZION II)

FREE DOWNLOADS AVAILABLE REBELUTIONMUSIC.COM

specialty gardening store suggested that we get a 435-cfm fan, which we did (though we're skipping filtration since we aren't particularly concerned about the odor). But now I'm thinking the fan is too big. Even with the vent panels open and a 6-inch screened duct for intake, the grow lab's walls are sucked in like it's a vacuum. We're not sure if we should exchange the fan for a smaller model or get a filter. Your thoughts?

Many thanks from the Solidarity State!

Dear Rebecca,
The fan is designed to push air through a filter, so I think your best bet is to get the charcoal filter and attach the exhaust fan to it. This will slow down the rate of air being moved out substantially, and it

has the added benefit of cleaning that air as it leaves your space. Your walls will no longer be sucked in, but enough air will still move around to keep things cool as well. Good luck!

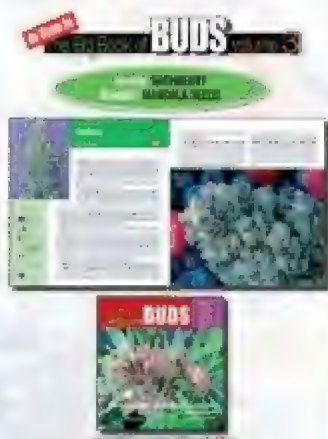
SUBJECT **Box of Rain**

FROM **Susan and Chuck**

We just had 18 inches of rainfall on our plant. The leaves are turning yellow and light green, except around the buds—the pistils are turning burgundy or brown, and the only dark green is at the budded ends. I guess it was like a flush, but a little early. Should I cut her down or wait it out?

Dear Susan,
It's tough to determine whether you





Mandala Seeds

www.mandalaseeds.com info@mandalaseeds.com

We offer unique and powerful strains at an amazing customer friendly price!

Satori



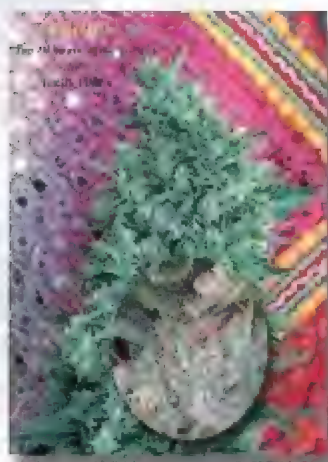
Chill-OM



Mandala goes feminized!

A selection of feminized strains are coming up in 2012!

KRYSTALICA
"Strain of the Year 2011"
High Times



Mandala Seeds

Online Shop

www.shop.mandalaseeds.com

Take advantage of our trustworthy service!
stealth delivery *** secure ordering *** monthly specials *** freebies

- ✿ excellent price-quality ratio
- ✿ hybrid vigour/easy to grow
- ✿ good choice for small spaces or SOG
- ✿ connoisseur strains/high yielding
- ✿ heat resistant
- ✿ medical grade marijuana
- ✿ with landrace genetics
- ✿ regular and feminized seeds
- ✿ guaranteed fresh seed stock
- ✿ reliable customer support



ACQUISITION OF LIVE CANNABIS SEEDS IS ILLEGAL IN THE UNITED STATES | PAYABLE IN US DOLLARS FROM ANYWHERE IN THE WORLD

OFFICIAL WORLDWIDE DISTRIBUTOR

*Dutch and Spanish Seed Companies
*Online Credit Cards Accepted
*Regular and Feminized Seeds

NEXT GENERATION SEED COMPANY

Avalon
Bonkers
Dynamite
Grapefruit Haze
Island Sweet Skunk
Grapegod
Grapefruit Diesel
Grapefruit Kush
Medicine
Romulan
Romulan Diesel
Timewarp
Afghani Kush
Lemonator
NY Purple Diesel
BC Golden Skunk
BC Early Blueberry

SECRET VALLEY SEEDS **MORE SEEDS ONLINE:**

Brainwarp
Jamaican Grape
Purple Pineberry
Northern Flame
Top Dollar

GREEN LIFE SEEDS

Greenlife
Suite 117
95 Wilton Road
Victoria-London
SW1V 1BZ

WWW.GREENLIFESEEDS.COM

The Original
FREE SHIPPING UNTIL CHRISTMAS!

Kush™

PERFUME

Smooth, Sweet and Enticing with a mellow hint of Nature's Finest Scent.

TO ORDER:
www.KushPerfume.com

DEALER INQUIRIES WELCOME • MADE IN THE USA • FACEBOOK: KUSHPERFUME

Danko Tip: Never reveal the existence or location of your garden to anyone that doesn't need to know it.

AK-47 and Warlock win again!



Serious Seeds
Your guarantee for success!

AK-47



Our flagship-strain has proven it again, AK-47 is the ultimate winner, now the only strain to hold a High Times Cannabis Cup in ALL 3 categories: Indica, Sativa and Hybrid!

Home of the original awardwinning strains!



Warlock



We are very proud of another cup won by Warlock. The 'Hydra-Hash' made from 90% Warlock / 10% Haoma entered by 'House of the Great Gardener' from Vancouver-Island, Canada, won the second place in the concentrate category at the High Times Cannabis Cup 2011.

11 regular seeds or 6 feminized seeds in a tube

For info:
Postbus 1239, 1440 BE Pumerend, The Netherlands,
info@seriousseeds.com, www.seriousseeds.com



Mold attacks buds quickly and causes severe damage.

should harvest or not without seeing the plant (even in a photograph), but I'll do my best. If you still have more than three weeks to go before you planned to harvest, it would be ideal to feed some balanced flowering nutrient solution to the plant to green her up a bit. If you're less than two weeks away and the buds are close to fully formed, then you should harvest now to avoid any rotting or further yellowing and degradation.

SUBJECT: **Oxygen Network**

FROM: **GreenD**

I love growing in soil or soilless mixes but I always seem to have a problem with getting enough oxygen to the roots. If I were to put an air pump at the bottom of the soil would it help improve my root zone or would it just dry out the soil too fast?

Dear GreenD,

Getting oxygen to roots is as important as providing water and nutrients in order to have healthy growth rates above the soil. A simple tube and reservoir system is perfect and can also be used to water the plants from below. Use a hollow pipe to connect vertically to an open section at the bottom of your container that's below soil level. Oxygen will be able to flow to your roots and you can also water the plant through your tube. Fill the reservoir and the plant will take up only what it needs in terms of nutrient solution and fresh air.

If you're interested in how these systems work, check out 420growsystem.com or earthbox.com to see two innovative containers that deliver oxygen as well as nutrient solution directly to plant roots. ✨

WINNER
HIGH CBD
HIGH TIMES
2011

WINNER
THE TRUE OG™
HIGH TIMES
2010

WINNER
SILVER AWARD
SECOND HARVEST
FOOD DRIVE

WINNER
BEST NORCAL
COLLECTIVE
WEEDMAPS

WINNER
THE TRUE OG™
HIGH TIMES
2011

WINNER
BRONZE AWARD
METRO BEST OF
2011

**LAB
TESTED
MEDICINE**

**FREE
GRAM
TOP SHELF
MEDI CONE**
with first time donation

must mention ad

**50
FLOWERS**
STARTING AT \$12 GRAM

711 charcot ave san jose 408.433.3344 elementalwellnesscenter.com

**elemental
wellness™**

new members please bring original doctor's recommendation and state photo ID

**THE
ORIGINAL**

smokebuddy™

KEEP YOUR SMOKE TO YOURSELF

\$19.95

with FREE Mr. Smokebuddy Keychain

Blow Smoke IN

Clean Air OUT

www.smokebuddy.com

PERSONAL AIR FILTER

Ideal for:
- Home
- Office
- Car
- Travel

LongShot Productions went out looking for the BEST underground rappers in the U.S.
They found them and brought them to you!!

LONGSHOT PRODUCTIONS
PRESENT

ON TOP BY A LONGSHOT

VOL. 1

Preview or Buy CD at Gibaby.com/OnTopByLongshot.com (Direct Payment via PayPal)

THE MOST AWAITED UNDERGROUND CD OF THE YEAR!

facebook.com/ontopbyalongsot OnTopByALongsot OnTopByALongsot SoundCloud.com/ontopbyalongsot

Search "On Top By A Longshot"

FREE Download of Legend H On Mule 4.5 with MP3s Gibaby.com/longshotproductions



T.H. Seeds
Amsterdam's finest



THINK BIG!

Proven to grow the biggest plants!
A group of expert growers from Colombia professionally tested 127 seed varieties from 14 major Dutch Seed companies. The top 3 producing varieties were all from T.H. Seeds. They also noted that the T.H. Seeds varieties were the easiest to manicure, the most dense and contained the most resin.
As reported by High Times magazine and Goforno magazine.

NOW AVAILABLE:
++ New packaging
++ Feminized varieties:
Mk-Ultra®, S.A.G.E.®, A-train®,
Burmese Kush® and Kushage®.




T.H. Seeds® Amsterdam. t +31 (0) 20 4211762 info@thseeds.com
Check for your local distributors online at www.thseeds.com



Pot: The Miracle Worker

Good for brain & body.

Got a question for Dr. Mitch? Email him at 420research@gmail.com.

Any news on the alleged links between marijuana and schizophrenia? Is this stuff ever going to die?

—Wizard

Hi Wizard,
New data from the United Kingdom show that childhood trauma, not cannabis use, seems to be one of the key issues in developing psychosis. These researchers studied over 7,000 people. At first glance, it looked as if cannabis related to psychosis. Once they took trauma into account, the relationship between cannabis and psy-

chosis disappeared. The hype about marijuana and mental illness is thousands of years old, but I do think that data will finally put this myth to rest soon.

relief. Nevertheless, comparable symptoms can appear because of infection, celiac disease and a host of other medical problems. Anyone with these symptoms should see a physician.

—Tom Thumb

Hi Tom,
Growing techniques are finally reaching scientific journals. Belgian researchers grew five different strains under various conditions. They said that

The gastrointestinal tract is very rich in cannabinoid receptors, and folks with IBS report that the plant gives them relief.

chosis disappeared. The hype about marijuana and mental illness is thousands of years old, but I do think that data will finally put this myth to rest soon.

I know it's no one's favorite topic, but is there any research on medical marijuana for irritable bowel syndrome (IBS)?

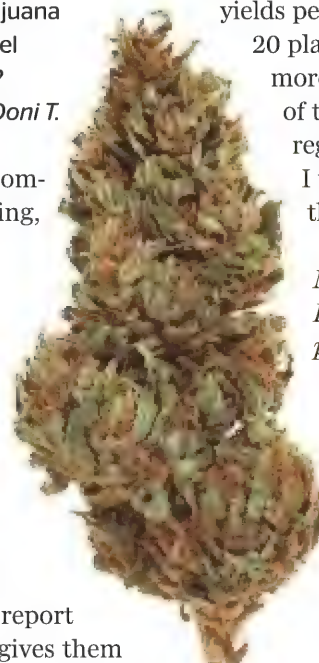
—Doni T.

Hi Doni,
IBS involves stomachache, bloating, and changing bowel habits. It's a complete drag. No one knows its exact cause. The gastrointestinal tract is very rich in cannabinoid receptors, and folks with IBS report that the plant gives them

they needed to know yields to determine penalties when grows get busted. (Yeah, right.) Super Skunk and Big Bud had the highest yields with the most THC. The 600-watt bulbs created better plants than 400-watt bulbs. Growing 16 plants per square meter led to better yields per plant, but growing 20 plants per meter led to more total yield. None of this is news to the regular HT reader, but I was delighted to see the paper published.

Mitch Earleywine, Ph.D., is an associate professor of psychology at SUNY Albany. He is the author of Understanding Marijuana and The Parents' Guide to Marijuana.

Buds soothe IBS.





usinfo@roor.de usinfo@roor-tech.de

find your authorized dealer at www.roor.de/authorized_dealers.html

HOW'S IT GROWING?

financing available

Take your indoor farming to the next level with Hydroponics Group!



Bud Buddy

43W X 30D X 72TALL
55 CUB. FT. OF GROWING SPACE
\$2595.95



Grow Daddy

54W X 30D X 72TALL
66 CUB. FT. OF GROWING SPACE
\$3495.99



Bud Buddy LED

300 W 3 WATT PER DIODE
\$2755.95

Available Today, The Bud Buddy and Grow Daddy

- Fully Automated complete system with the Design you Expect
- Made from Fine Norwegian Cedar, provides a Quality Choice
- Designed to hide in plain - now you can Grow Anywhere
- Ships fast no waiting, no importing, no hassles.

With Systems to Match your Goals Call us today!

Expandable Indoor Systems for Massive Harvests!

- Expand your Grow Zone with Multiple Grow Stations
- Easy hip height farming more comfortable Growing
- Powered Easily with Master Control
- Professional Carbon Filtration and timed Co2
- Intercooled Lighting with our exclusive cool tubes.
- Massive clone system for up to 200 seedlings
- The Easy, Simple, Design gets you growing faster

Master Controller the fully Automated Control Center

- Simple to program designed to be as easy as setting a clock
- Push button control for lights, odor control and cooling
- Digital Co2 application no extra charge
- Self draining hydro tubs No More struggling to change nutrients



Hydroponics Group

Call or Email Today! HydroponicsGroup.com | 800-850-6360

Free Baggies.com
The name says it all!

Free Baggies!*
Free Digital Scales!*
Free Shipping!*

HIGH TIMES READERS GET 20% OFF
OUR PREMIUM BAGGIES
(use coupon code: WAYCOOL)

Over 50 cool designs available

Digital Scales Starting at \$19.95

*See our website for complete details.

TAMISIUM BUTANE OIL CHEMICAL EXTRACTOR

Quickly Produce your exact same product plus 1000s more.
Easier & Safer while recovering the Butane Solvent.
Lab Quality Food Grade Stainless Tamisium Extractors.

- Highest Yields Highest Purity Highest Output Variety
- Tested and Proven Track Record
- Learn how to Extract with Illustrated Manual
- Lifetime Customer Support and Lifetime Guarantee.
- O. D. T. P. T. P. controllable solvent
- GREEN Organic Process
- Discount for mentioning this Ad. patent pending

Learn More
817-726-7525
david@tamisiumextractors.com
www.tamisiumextractors.com



The Origins of Marijuana Chemistry

Roger Adams was a true pioneer, the first to isolate and synthesize cannabis.

IN 1968, WHILE my father was the head of biochemistry at the University of Illinois at Champaign-Urbana, he was approached by a student who had recently been arrested for possession of marijuana. Since the student believed that marijuana was misclassified as a narcotic, he asked my father to testify to that effect at his upcoming trial.

"You've got the wrong guy," my dad told him. "You should ask Roger Adams."

Although not well known to the public, Adams was already a legend in the field of chemistry. Like all professors at the time, he'd been forced into retirement at age 65, in 1954, after having trained 172 Ph.D.s, published 375 scientific papers and single-handedly transformed the U of I. chemistry department into the best in the country (while becoming America's most politically connected chemist).

What few seem to realize today, however, is that Adams was also the first scientist to isolate and synthesize marijuana. He did this in 1939, at the request of the Treasury Department's Bureau of Narcotics, which had supplied him with "red oil" from a cannabis plantation.

Adams was a direct descendent of the famous Adams family of Boston, which had produced two US presidents. He entered Harvard at age 16 and became a faculty member upon graduation. However, his advancement at Harvard didn't proceed fast enough, so after three years he left Cambridge for the backwaters of central Illinois.

In 1928, Adams became a consultant to DuPont, and the following year he was elected to the National Academy of Sciences at the very young age of 40. After Adams produced his synthetic form of marijuana (pyrhexyl), he made one of his frequent trips to Washington, DC, to

deliver it to the federal government. While on the train, however, he realized that no one had ever ingested the substance to see if it actually worked. So, under the watchful eye of his assistant, he took a large dose on the train and became massively high. In a different circumstance, an associate who tried pyrhexyl described becoming "fuzzy, disoriented and anxious"

and after an hour was administered a sedative when he started questioning his sanity.

Adams did important work on synthetic rubber during World War II, and he was sent to both Germany and Japan after the war to assist with the rebuilding efforts and identify important scientists and research. This was the busiest time of his life, and Adams never had the opportunity to revisit his marijuana investigations. The development of nuclear



Adams was a direct descendent of the famous Adams family of Boston, which had produced two US presidents.

magnetic resonance in the 1940s allowed for much greater precision in the analysis of molecular structures, but by that time Adams was preoccupied with other projects, and it wasn't until 1964 that Raphael Mechoulam would employ the technique to fully identify the structure of THC.

By the way, Adams did agree to testify at the student's trial and told the jury that marijuana wasn't a narcotic. Based solely on his expert testimony, the student was found not guilty. Soon, Adams was receiving more requests to testify in marijuana cases, but he turned them all down, since they involved trials for sale and not just possession. However, he was awarded an honorary membership in the Students for a Democratic Society for his original testimony, and he proudly displayed that SDS award on his mantel along with the other numerous awards he'd received over the years.

Adams died on July 6, 1971, at the age of 82. 🌿

if you can't quit, do it right

Vaporite®

ASSEMBLED IN USA
WORLD'S LARGEST SELLING BRAND OF VAPORIZERS

TEL: 1-917-775-6712 FAX: 1-877-765-2698 EMAIL: VAPORITEVAPES@YAHOO.COM WEB: WWW.VAPORITEVAPES.COM

Beware of the fake Vaporite®. Register your vaporizer on our website with the serial number that is unique for every unit for your Six Months Limited Manufacturer's Warranty.

THE ALLIN1™ SMOKING SYSTEM

HITTER BOX 2.0

A discreet and modern solution for any smoker. Compact and self contained, the Allin1E has it all when you want it.

FEATURES

- ◆ GRINDER
- ◆ CIGARETTE SHAPED QUARTZ CERAMIC PIPE
- ◆ STAINLESS STEEL POKER
- ◆ MINI BIC™ LIGHTER STORAGE
- ◆ LARGE PRODUCT RESERVOIR
- ◆ ODOOR & WATER RESISTANT
- ◆ DISHWASHER SAFE
- ◆ SIX COLORS! ■ ■ ■ ■ ■ ■

* LIGHTER NOT INCLUDED

POKER

CERAMIC GLASS PIPE

GRINDER LID
 GRINDER LID
 O-RING
 STORAGE AREA (upto 1/8oz.)

ALL IN 1E 1-877-424-1377
WWW.ALLIN1-E.COM

MSRP \$59.99 **SPECIAL \$39.99**

©2011 Allin1E LLC. Patent Pending. Allin1E Logo is a registered trademark of Allin1E LLC. All Rights Reserved.

AVAILABLE AT BETTER SMOKE SHOPS WORLDWIDE!

BURN CLEAN... BURN GREEN... BURN I-TAL!

FOR A FREE SAMPLE SEND A SELF ADDRESSED STAMPED ENVELOPE TO
**FREE ITAL HEMP WICK - 3053 FREEPORT BLVD.
 #240 SACRAMENTO, CALIFORNIA 95818**

ORDER ONLINE **WWW.ITALHEMPWICK.COM**
 Made with Organic Hemp & Resin

WHOLESALE ORDERS **1-877-272-1570**
 UNITY DISTRIBUTORS

**HIGHEST QUALITY
SELECTION OF
EXOTIC GLASS
IN MICHIGAN**

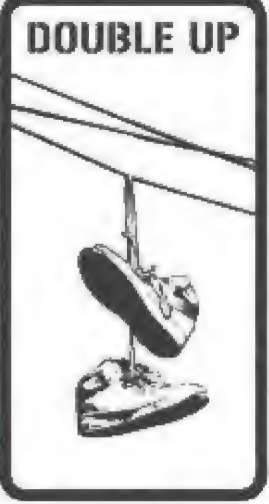


**WE MOVED
AROUND
THE BLOCK**

**205 Pierce St. Birmingham,
MI 48009 248.644.6077**
Store Hours: Mon - Sat
10am-9pm | Sun 11am-7pm

FACEBOOK.COM/THEJUNGLEROOM

DOUBLE UP EDWIN

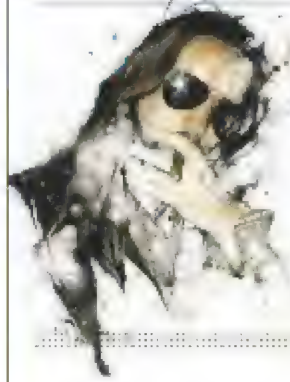


**128 S WOODWARD
BIRMINGHAM, MI 48009
(248) 594-7444**

**8120 WEST NINE MILE OAK
PARK, MI 48237
(248) 544-3636**

**611 EAST GRAND RIVER
EAST LANSING, MI 48823
(517) 324-5555**

DBL-UP.COM .COM/DBLUP @DOUBLEUPSHAM



Detroit Pot City

The Motor City becomes the 'Mota' City at our first ever Michigan Medical Cannabis Cup.

I'LL BE HONEST—Detroit's never been high on the list of places I was dying to visit. However, that doesn't mean I wasn't a fan of the machines and music that have called it home: Motown Records and the MC5, GM and Eminem, and especially Parliament Funkadelic and Pontiac. In fact, I've owned quite a few GM cars over the years: a '77 Monte Carlo, a '73 Impala, a red '77 Trans Am and my all-time favorite, the '69 LeMans I had back in college. Dark green with a black vinyl roof, fat, jacked-up back tires and a thunderous sound system ... it wasn't too pretty on the outside, but under the hood it roared like a tigress in heat. I found myself reminiscing about that old hot rod of mine after driving past the giant Uniroyal tire on our way into town for the inaugural Michigan Medical Cannabis Cup.

Of all the domestic Cups we've put on thus far, this was the smallest in scale, but the biggest in heart. Everyone we met—vendors, staff and attendees—were as thankful to have us there as we were for their hospitality. Unfortunately, the police weren't quite as welcoming, patrolling through the event several times and making it clear that, despite our compliance with state law, a medicating area wouldn't be tolerated. Nevertheless, the entire event—seminars, party, expo and awards—went off without a hitch.

Around 4:20 p.m. on Saturday, I introduced the panel on veterans and medical marijuana with attorney John Targowski and Michael Krawitz, the executive chairman of Veterans for Medical Cannabis Access. I'd first connected with Krawitz via telephone a few years back while researching my feature "The Thin Green Line" (HT June '10), about vets using medical cannabis, but I had yet to meet him in person.

We became fast friends, shooting the shit about pot, politics and classic rock.

Later that afternoon, none other than Dr. Funkenstein himself, George Clinton, arrived at Bert's Theater with his posse to check out the expo, and I was recruited to be his tour guide. I led him from booth to booth and introduced him to all the vendors, who were excited to show off their products to the legendary performer. Despite the growing crowd that amassed around us, Clinton



George Clinton gets the VIP tour.

remained as giddy as a kid on Christmas—taking a hit from a pot leaf-shaped ice-pipe, collecting free swag and graciously granting interviews to me and pretty much anyone else with a video camera. But the real highlight came that night at the VIP party, when Clinton took the stage alongside

some of his former P-Funk bandmates (now in the 420 Funk Mob) to perform a set of their classics for the ecstatic crowd.

The following day at the expo, I had the pleasure of crossing paths with the bodacious Kelley Jean from Detroit Dungeon TV, and we conducted simultaneous interviews of one another at the HIGH TIMES booth. Finally, at the awards show that evening, I had the honor of presenting the Cup for Best Concentrate to C4 for their Super Lemon Haze BHO—some of which I enjoyed at our private after-party later that night, along with a sixer or two of Kid Rock's locally brewed Badass American Lager.

As we passed a series of vacant, burned-out apartment complexes on the way back to the airport, I mused that Detroit wasn't unlike that old LeMans

of mine: a bit beat-up-looking on the outside, but beneath the surface hummed the heart and soul of America. As it turned out, my time in the "D" had unexpectedly stirred up a healthy dose of patriotism in me—and the hope that my first visit here won't be my last. 🌿


Watch the video at:
youtu.be/fLpHIHJD7xY



Get the free mobile app:
www.gettag.mobi

SERIOUS ABOUT GROWING?

POT COLLEGE



POTCOLLEGE.COM
A HOME STUDY COURSE FOR SERIOUS GROWERS
HIGH-YIELD HYDROPONIC SYSTEM DEVELOPED BY B.D.'S
TOP MEDICAL MARIJUANA GROWERS

BEGINNER TO EXPERT GROWER IN 3 WEEKS

THIS COMPLETE COURSE INCLUDES:
12 DVD TUTORIALS, 200 PAGE STUDY GUIDE/PRODUCTION SITE MANUAL
WITH COLOR PHOTOS AND ILLUSTRATIONS, FEED CHARTS, CHECKLISTS
PRODUCT RECOMMENDATIONS, REFERENCE MATERIAL,
AND MUCH, MUCH MORE


STUDY IN THE PRIVACY OF YOUR OWN HOME
30 DAY MONEY BACK GUARANTEE

"LEARN FROM THE BEST. FORGET THE REST."

EACH COURSE COMES WITH ONE FULL YEAR
OF PERSONALIZED ONLINE SUPPORT

INFORMATION: 1-800-788-4905
9AM - 5PM PST MON-FRI

FOR COURSE DETAILS AND FREE SAMPLE LESSONS
VISIT **POTCOLLEGE.COM**




**THE PERFECT GIFT
FOR THE STONER
YOU LOVE**



www.davoncareyart.com
410 258 7373

MEDICAL CANNABIS CUP WINNER

1ST PLACE INDICA: GRAND DADDY URKIE
1ST PLACE HYBRID: SOUR O. G. KUSH
2ND PLACE SATIVA: SOUR DIESEL G-CUT 04



Congratulations to:
TRAVERSE HYDROPONICS COMPANY




Open Monday - Saturday, 9 am - 5 pm
13310 S. West Bay Shore Dr. (M-22)
Traverse City, MI 49684
(231) 421-1963
visit us online: www.m22collective.com

**M22
COLLECTIVE**

www.thedarkside.com



ALL AMERICAN- MADE GLASS

HEADIES FROM EUSHEEN,
DARBY, CLINTON, FREAK,
GHOST AND MANY MORE!



SPECIALIZING IN
INSIDE-OUT COLOR
CHANGING GLASS
DIRECT FROM
HUMBOLDT COUNTY
AND OREGON

thedarkside.com



A Time for Endurance

The Feds attempt a medical
marijuana massacre.

Allen is executive director of NORML. Visit norml.org

RECENTLY, FOUR US Attorneys in California declared a statewide crackdown against large-scale medical cannabis cultivators and sellers. In conjunction, the Internal Revenue Service issued a long-awaited \$2.5 million ruling against a major medical cannabis dispensary in California. Citing an obscure part of the US tax code meant to target drug cartels, the IRS is barring dispensaries—even those licensed under state law—from taking any business-related tax deductions and will seek millions of dollars in back taxes.

Federal regulators have also cracked down on banks in Colorado, California and Michigan that previously conducted business with medical cannabis dispensaries, forbidding these financial institutions from accepting cash deposits or processing credit- and debit-card transactions involving state or locally approved canna-businesses.

Federal attorneys in California sent warnings to local dispensaries in San Francisco, San Diego and elsewhere warning that locally compliant facilities may still be subject to prosecution for violating federal “drug-free school zones” legislation, leaving these facilities with no choice but to move or close.

These same federal attorneys in California have also sent hundreds of letters to landlords renting to medical cannabis businesses, warning that their properties and assets are subject to swift civil-forfeiture proceedings and that they themselves could face decades in prison. Federal attorneys are even threatening to prosecute newspapers and magazines that advertise medical cannabis businesses and services!

These desperate
attempts to maintain
cannabis prohibition
will ultimately fail.

On the state level, Rhode Island Governor Lincoln Chafee pulled the plug on the state’s nascent medical cannabis dispensary program. Why? Chafee cited recent memos from the Justice Department threatening to federally prosecute employees involved in the state-licensed production or distribution of cannabis.

Lastly, Michigan’s courts, legislature and attorney general are steadily dismantling the state’s medical cannabis program, despite the fact that the law creating the program passed with 63 percent public approval.

These desperate attempts to maintain cannabis prohibition will ultimately fail, but the short-term harm caused by their efforts—and the expense incurred by the marijuana-law reform movement to defeat them—looks to be high. 🌿

FREEDOM FIGHTER

by Erik Altieri, NORML outreach coordinator

Bay State Activism

A Massachusetts activist puts the ‘grass’ in ‘grassroots.’

Cara Crabb-Burnham first got involved with the marijuana-law reform movement two years ago when she became an active leader with the Emerson College chapter of Students for Sensible Drug Policy (SSDP). During her school break, she helped organize volunteers and logistics at the 2010 Boston Freedom Rally. As a result of her efforts, Cara went on to become

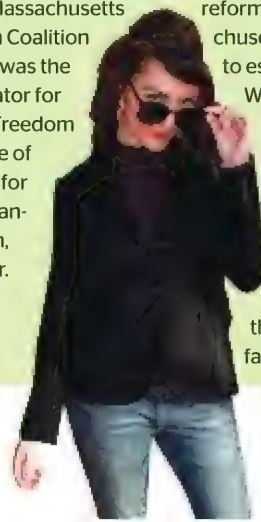
state coordinator as well as the interim Northeast regional coordinator for SSDP.

In the spring of 2010, Cara was elected to the board of directors of the Massachusetts Cannabis Reform Coalition (MassCann). She was the speaker coordinator for the 2011 Boston Freedom Rally and also one of the coordinators for MassCann’s 2nd Cannabis Convention, held in December. She currently co-hosts the *Boston Pot Report* with

NORML’s Dr. Keith Saunders, an Internet radio show that airs every Friday.

Cara is committed to raising awareness for marijuana-law reform efforts in Massachusetts and is working to establish a NORML

Women’s Alliance group in Boston. “It’s important for professional women to have a space to talk about drug-policy reform and create innovative ways to educate their communities and families,” she says.





Free Seeds

with EVERY* order!

Top 10 Seeds The Cali Connection

Blackwater

REG \$14.66

Julius Caesar Seeds

REG \$14.97

Chem3 OG Seeds

REG \$14.97

Larry OG Seeds

REG/FEM \$14.66

Deadhead OG Seeds

REG \$14.66

OGiesel Seeds

REG \$14.66

Jamaican D Seeds

REG \$11.24

Pre-98 Bubba BX2

REG/FEM \$14.66

Jamaican OG Seeds

REG/FEM \$14.97

Tahoe OG Kush

REG/FEM \$14.66

We offer both **single seeds** and full **packs of ten**, allowing you to create your perfect grow room.

Single seeds are dispatched with a portion of the original product carton. Seeds are despatched stealthily from Great Britain and you are billed discreetly. We will replace your seeds if they do not reach you, whatever the reason!

Seeds

from **\$1.99**
/Seed

DISCREET
BILLING & PACKAGING

GUARANTEED
NO BULL SHIPPING



GeoTrust

*Subject to fair usage, see website.
Prices correct at time of publication

www.worldwide-marijuana-seeds.com

MEDICAL MARIJUANA DIRECTORY

CALIFORNIA

Alternate Natural Solutions Inc.

8477 Enterprise Dr.
Jamestown, CA 95327
(209) 352-6779
altnatsol.com
"Home of the 5 dollar gram"

BCCP

1928 N. Chester Ave. Suite B
Bakersfield, CA 93308
Phone: (661) 399-8551
Fax: (661) 399-9349
bccpcollective@gmail.com
"Monday thru Saturday, 10 AM to 9 PM—Sunday 12 PM to 7 PM"

Cannahelp Collective

505 East Industrial Place.
Suite A
Palm Springs, CA 92264
Phone: (760) 327-2504
Fax: (760) 327-2538
cannahelp.com
info@cannahelp.com
"\$10 grams! Serving the medical community since 2005."

Coffee Shop Blue Sky

377 17th Street
Oakland, CA 94612
(510) 251-0690
Open 9am-8pm Mon-Sat,
10am-6pm Sunday
oaksterdamgiftshop.com

Emmalyn's California Cannabis Clinic

Cross street: Howard
211 12th St.
San Francisco, CA 94103
Phone: (415) 861-1000
Fax: (415) 861-5237
emmalynscannabisclinic.com
emmalynsccc@yahoo.com

Grassroots Solutions

(888) 798-4915
Farm Fresh meds delivered overnight almost anywhere in California!! Top shelf quality at bargain prices direct from our farm to you.
norcaldirect2u.com

Green Dragon Caregivers

7423 Van Nuys Blvd. Suite C
VanNuys, CA 91405
(818) 442-0054
greendragoncoop.com
edward@greendragoncoop.com

Greenway Compassionate Relief

140 Dubois St.
Santa Cruz, CA 95060
(831) 420-1640
Mon-Sat 11am -7pm
Organic-All Grades-Edibles-Tincture

Healing OC

1665 East 4th St. Suite 112
Santa Ana, CA 92701
(714) 835-4206
healingoc.com

Greenwell Collective

616 Marin St.
Vallejo, CA 94590
(707) 980-7774
greenwellcooperative.com

greenwellcooperative@yahoo.com
"In Greenwell we trust"

Harborside Health Center

1840 Embarcadero
Oakland, CA 94606
(510) 533-0147
harborsidehealthcenter.com
"Out of the shadows, into the Light"

High Quiggle Healing Center

1532 East Broadway
Long Beach, CA 90802
Phone: (562) 951-3975
Fax: (562) 951-3902
weedmaps.com
"A circle of healing is never ending"

Igzactly 420

527 Howard St.
San Francisco, CA 94105
Phone: (415) 834-5225
Fax: (415) 834-5325
igzactly420.com
"Most strains in the Bay, vapor lounge"

Love Shack

502 14th street
San Francisco, CA
(415) 552-5121
theloveshackcooperative.com
Mon-Sat 10am-7pm,
Sun 11am-4pm
Full Service Dispensary
Voted Best of The Bay

Mind, Body, and Soul Collective

3131 East Central Ave.
Fresno, CA 93725
Phone: (559)-486-6010
Fax: (559)-486-6011
mbscollective.com
admin@mbscollective.com
"Open 7 days a week--Quality, Integrity, Trust"

Patients Care Collective

2590 Telegraph Ave
(between Blake & Parker)
Berkeley, CA 94704
berkeleypatientscare.com
(510) 540-7878
Mon to Sat 12-7 pm

Perennial Holistic Wellness Center

11705 Ventura Blvd.
Studio City, CA, 91604
Phone: 818-505-3631
Fax: (818) 505-3621
facebook.com/perennialhwc
perennialholistic@mail.com
"Committed to the advancement of cannabis science through dedicated patient service"

Trusted Friends II Inc.

3061 Churn Creek Rd.
Redding, CA 96002
530-222-3645 (phone number)
530-222-3671 (fax number)
trustedfriends.com
trustus421@yahoo.com

1 Love Wellness Center

1841 El Camino Ave.
Sacramento, CA 95815
916-231-LOVE
916-927-1553 (fax)
ilovewellness.org

linda@onelovewellness.org
"Sacramento's largest and loving Wellness Center"

7 Star Meds

3823 San Pablo Dam Rd.
El Sobrante, CA, 94803
(510) 758-MEDS(6337)

COLORADO

Dacono Meds

730 Glen Creighton Dr., Unit C
Dacono, CO 80514
(303) 833-2321
daconomeds.com
Hours: Mon-Sat, 10am - 7am
Handicap Accessible

Karmaceuticals LLC

4 South Santa Fe Drive
Denver, CO 80223
(303)-765-2762
facebook.com/karmaceuticals
karmaceuticalsco@gmail.com
"Over 120 strains of fire"

Minturn Medicinal / Vail Valley

Minturn, CO 81645
(720) 490-0458
Free Delivery
minturnmedicinal.com

Sunshine Wellness Center

In Colorado Springs:
31 N. Tejon St., Ste. 400
Colorado Springs, CO 80903
(719) 632-6192
In Pueblo: 67 Silicon Drive
Pueblo West, CO 81007
Phone: (719) 543-7482
Fax: (719) 634-8207
sunshinewellnesscenter.com
Doctor Evaluations Provided!

MICHIGAN

A2 Compassionate Healthcare

MedMar A2 Inc.
1818 Packard Street
Ann Arbor, MI 48104
734.213.1420
medmarx.net
Highest grade medical marijuana at the lowest prices.

Big Daddy's Compassion Center

13211 Northend
Oak Park, Michigan 48237
248-399-5299
bigdaddyshydro.com
Five locations statewide,
professional, courteous, best selection anywhere

Cannaisseur Collective

"A Shelf Above The Rest"
State St (call for pre-verification & address)
Ann Arbor, MI
734-494-0772
cannaisseurcollective.com
Twitter.com/Cannaisseurlife

Downriver Wellness Group

17109 Ecorse Rd.
Allen Park, MI 48101
313-769-6288
downriverwellness.com

GanjaMama's

Treecity Health Collective
1712 S State St

Ann Arbor, MI 48104
(734)369.3212
ganjamamas.com
Compassionate Care, Safe/
Supportive Environment,
Highest Quality Medicine

Grass Roots Society

8899 W Peck Rd
Greenville, MI 48838
616-225-2200
616-225-2220 (fax)
grassrootsociety.com
grassrootsociety@rocketmail.com

Michigan Compassion Center

1222 Glenwood Ave.
Flint, MI 48503
970-509-0781 (Phone number)
810-265-7821 (office number)
810-265-7436 (fax number)
mccflint@gmail.com
facebook.com/
michigancompassioncenter
"Patients Come First"

Michigan Medical Marijuana

Certification Center
29877 Telegraph Road,
Suite 303 B
Southfield, MI 48034
(248) 932-6400
MMMCC.net

MSC3

227 N. Winter Street Suite 302
Adrian, MI 49221
medicinalsolutions.com
MON-FRI 10am-8pm
SAT 10am-7pm
CLOSED SUNDAYS

OM of Medicine

112 South Main Street,
3rd Floor
Ann Arbor, MI 48104
734-369-8255
omofmedicine.org
info@omofmedicine.org
"Power to the Patients!"

Pure West Compassion Club

840 N. Black River Dr.
Suite #80
Holland, MI 49424
616-466-4204
purewestclub@gmail.com

MONTANA

Action Alert!

Call (406) 444-3111 and urge the governor to veto SB 423 and regulate medical marijuana via administrative rules.

OREGON

Eugene Compassion Center

2055 W. 12th Ave
Eugene, OR 97402
(541) 484-6558

WASHINGTON

Purple Cross Patient Care Association

469 North 36th Street, Suite E
Seattle, WA 98103
Phone: (206) 588-1034
Fax: (206) 588-1596

purplecrosspatientcare.org
Mon-Sat, 11-9 pm Sun. 1-9 pm
Open 7 days a week,
365 days a year!

WA First Step

Get Legal take your First Step
Medical Consulting &
Recommendations
Kent, WA, wafirststep.com
(253)893-2420

CANADA

Note: Canadian medical clubs rarely accept US medical marijuana IDs. Prior arrangements need to be made before your visit by contacting the medical club.

CALM Toronto

P.O. Box 47023, Stn. 425
220 Yonge St.
Toronto, ON m5b 2h1
Office: (416) 367-3459
Fax: (416) 367-4679
Open 7 days a week
cannabisclub.ca

T.A.G.G.S. Dispensary

11696 224th Street
Maple Ridge, BC V2X-6A2
Phone: (604)-477-0557
Fax: (604)-477-0575
Open 7 days a week
11am-7pm
taggsdispensary.ca
USA Medical Patients
Welcome.

DISPENSARY SERVICES

3 Steps to Open a Legal Dispensary

The Only DIY Package
Written By Lawyers.
opendispensary.in/
hightimes

Canna Fresh

cannafresh.com
Wholesale: (424) 442-0232
"Custom Glass Containers For The Medical Industry"

Cannaline

cannaline.com
Wholesale only
301-356-9096
Stock & custom printed glass containers, concentrate containers & medicine bags.

EmeraldTriangleBuds.com

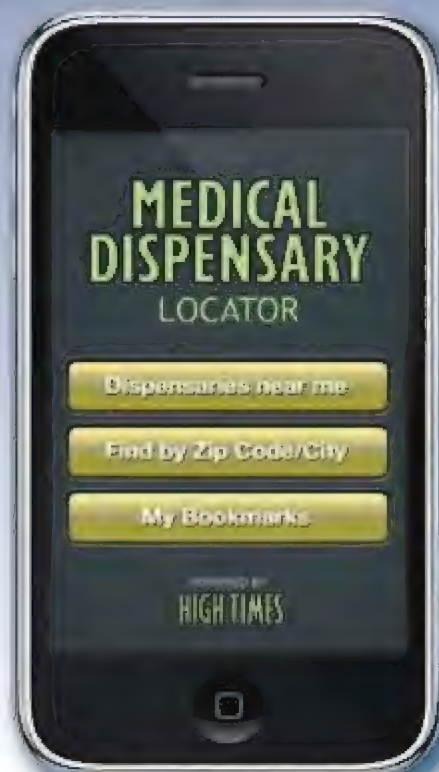
Certification programs for Dispensary and Medical Grow! Strain verification using DNA.
530-845-6914
emeraldttrianglebuds@yahoo.com

Gaslamp Insurance

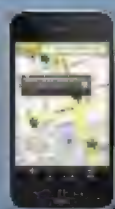
1111 6th Avenue, 3rd Floor
San Diego, CA 92101
(619) 238-4367, x. 205
Fax: (619) 238-4387
Medical marijuana insurance for dispensaries, growing facilities, bakeries & medibles.
mmjinsurance.com

CANNEX

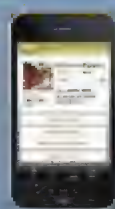
MEDICAL MARIJUANA LOCATOR



POWERED BY
HIGH TIMES



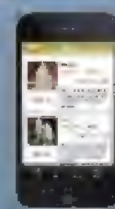
LOCATE
DISPENSARIES



COMPARE
PRICES



READ
REVIEWS



SEARCH FOR
STRAINS

Cannex is the revolutionary iPhone app designed to serve the needs of the medical marijuana community. You can use this tool to find the highest-quality, most affordable medical cannabis anywhere in the nation.

**TO DOWNLOAD
JUST SCAN HERE**



Available on the iPhone
App Store



Get the free mobile app at
<http://gettag.mobi>

FOR MORE INFORMATION OR TO SEE A VIDEO DEMO GO TO HIGHTIMES.COM/APP

The Original
Honey Bee Extractors
patents pending made in Canada

**100% Pure
Honey Oil
from the trim**

**Order online www.buzznn.ca or
call 204-654-3933**

**WE CARRY THE LEADING
DRUG TESTING PRODUCTS AT
DISCOUNTED
PRICES!**

TOP SELLING DETOX PRODUCTS

- DRINKS • SHAMPOOS
- MOUTHWASHES

WORLD'S LEADING SYNTHETIC URINES

- POWDER OR PREMIXED

**THE MOST POPULAR
URINE SUBSTITUTION KITS**

1-800-975-1466
WWW.DRUGTESTCHEATS.COM

FREE SHIPPING

HIGH TIMES LEGAL DIRECTORY

ALABAMA

Alan R. Elledge, Attorney at Law

7404 Hwy 43
Florence, AL 35634
(256) 757-4007
Fax: (256) 757-4003
aelledge138@hotmail.com
'Vigorous statewide marijuana defense.'

ARIZONA

Jamal Allen

Allen & Associates, Lawyers
3029 N. Alma School Rd,
Ste 216
Chandler, Arizona 85224-1475
P: 480-820-3300
goodazlawyers.com
All Stops, Arrests & Seizures

Lee Phillips

Law Offices of Lee Phillips
323 N. Leroux St., Suite 101
Flagstaff, AZ 86001
928-779-1560
notguilty1.com

Marc Victor

3920 S. Alma School Rd.,
Suite 5
Chandler, AZ 85248
Phone: 480-755-7110
Fax: 480-755-8286
marc@attorneyforfreedom.com
attorneyforfreedom.com

Michael Walz

Law Offices of Michael Walz
45 W. Jefferson, Ste. 225
Phoenix, AZ 85003
602-288-8349
walz@potlawyer.com
All MJ crimes: possession,
cultivation, MJ-DUI, and asset
foreiture. New marijuana law
& dispensary consulting.
potlawyer.com

CALIFORNIA

Bob Boyd

107 West Perkins Street,
Suite #17
Ukiah, CA 95482
707-468-0500
mendocinolaw@comcast.net
mendocinolaw.com

Omar Figueroa

Law Offices of Omar Figueroa
7770 Healdsburg Ave, Ste. A
Sebastopol, CA 95472
(707) 829-0215
omar@stanfordalumni.org
omarfigueroa.com
Founder of Cannabis Law
Institute. Specializing in
cannabis cultivation and
medical marijuana cases. Free
case consultation. ¡Yo hablo
español!

Christopher M. Glew

1851 E. First Street, Ste. 840
Santa Ana, CA 92705
Fax: 714-648-0501
Phone: 714-648-0004
marijuanalawyer@yahoo.com
glewkimlaw.com

Imhoff & Associates, P.C.

Criminal Defense Attorneys
Vince Imhoff, Managing
Partner
Los Angeles, CA
800-887-0000
Info@CriminalAttorney.com
CriminalAttorney.com
Experienced, aggressive
Medical Marijuana & Criminal
Defense Attorneys Nationwide
Free consultation

Law Offices of John M. Kucera

1416 West Street
Redding, CA 96001
530-241-1800
jkucera@snowcrest.net
Former major, grow
prosecutor.
Over 30 years of aggressive
and experienced state and
federal defense. Serving
Shasta, Siskiyou, Tehama,
Trinity and other Northern
California counties on request.
jmk-law.com

Allison Margolin

Margolin & Lawrence,
Attorneys at Law
8484 Wilshire Blvd, Suite 440
Beverly Hills, CA 90211
Phone: 323-653-9700
Fax: 323-653-9709
allisonbrandi@mac.com
allisonmargolin.blogspot.com

Bruce Margolin

8749 Holloway Dr.
West Hollywood, CA 90069
310-652-0991 or
800-420-LAWS
bmargolin@aol.com
1800420laws.com
margolinlawoffices.com
Marijuana and criminal
defense since 1967. Director,
L.A. NORML. Call for a free
guide to marijuana laws in all
50 states.

Eric Shevin

15260 Ventura Blvd., Ste 1050
Sherman Oaks, CA 91403
Phone: 818-784-2700
Fax: 818-784-2411
eshevin@aol.com
shevinlaw.com
Cannabis expertise, criminal
defense and business
formation.

Randy Sue Pollock

2831 Telegraph Ave
Oakland, CA 94609
Phone: 510-763-9967
Fax: 510-272-0711
PollockEsq@aol.com

Law Offices Of Sean Tabibian & Associates

6794 La Jolla Blvd., #201
La Jolla, CA 92037
Call Toll Free: 1-800-658-1500
wedefendyou.com
Call us for a free guide for the
accused: "People vs. You."

Sean Tabibian, Esq.

Tabibian & Associates
1776 North Highland Avenue,

Los Angeles, CA 90028
800-658-1500
wedefendyou.com
Your freedom to smoke is no
joke. Herbal defenders on
your side.

James M. Taylor

Law Office of James M. Taylor
783 West Ramsey, Suite G
Banning, CA 92220
951-849-2081
jamesmtaylor.esq@verizon.net
Dedicated to Criminal Defense

COLORADO

Sean T. McAllister, Esq. Tae Darnell, Esq.

McAllister, Darnell & Assoc.,
P.C., AKA "Cannabis Law
Center, P.C."
Criminal Defense/Dispensary
Representation
Denver Office: 303-226-
6252 (303-CANNALAW);
Central Mountain Office:
970-453-6594
cannabislawcenter.com

CONNECTICUT

Philip Russell

Law Office of Philip Russell
66 Field Point Road
Greenwich, CT 06836
203-661-4200

FLORIDA

Robert O. Bauer, Jr.

Bauer, Crider,
Pellegrino & Parry
1550 S. Highland Avenue, #C
Clearwater, FL 33756
(727) 446-4800
Offices in Clearwater, Tampa
& Port Richey. Board Certified
Criminal Trial Lawyer

Bjorn Brunvand

615 Turner Street
Clearwater, FL 33756
Phone: 727-446-7505
Fax: 727-446-8147
bbrunvan@tampabay.rr.com
acquitter.com

Greg M. Lauer

Board Certified Expert in
Criminal Trial Law
320 SE 10th Ct.
Ft. Lauderdale, FL 33316
(954) 559-0647
gregmlauer.com
Offices in Broward, Dade,
& WPB *Former Drug
Trafficking Prosecutor
*Free Initial Consultation

Donald A. Lykkebak

390 N. Orange Ave.,
Suite # 2100
Orlando, FL 32801
407-425-4044
lykkebak@bellsouth.net
druglawexpert.com
"Board certified criminal
trial lawyer with 30 years
experience."

Roger Scott, Jr., P.A. Scott & Medling, P.A.

1515 E Livingston St.,

Orlando, FL 32803
407-894-0055
Fax: 407-894-0053
RogerScott@cfl.rr.com
orlandodruglawyer.com

Robert Shafer & Associates, P.A.

Robert Shafer, James Davis
24 North Market Street,
Suite 305
Jacksonville, FL 32202
Tel: 904-350-9333
Fax: 904-633-7820
shafercriminallaw.com
robertshafer@bellsouth.net
Criminal defense only.
Focusing on drug charges.

John H. Trevena

801 West Bay Dr., Suite 509
Largo, FL 33770
Phone: 727-581-5813
Fax: 727-581-7758
TrevenaLaw@aol.com
trevena.com

ILLINOIS

Jeffrey B. Fawell

Fawell & Associates
500 S. Country Farm Rd,
Ste 200 Wheaton, IL 60187
630-665-9300
fawell@fawell.com
Criminal, DUI, traffic, and
immigration defense.

Imhoff & Associates, P.C.

Criminal Defense Attorneys
Vince Imhoff, Managing
Partner
Naperville, IL
800-887-0000
Info@CriminalAttorney.com
CriminalAttorney.com
Experienced, aggressive
Medical Marijuana & Criminal
Defense Attorneys Nationwide
** Free consultation**

INDIANA

Stephen W. Dillon

Dillon Law Office
3601 N. Pennsylvania St.
Indianapolis, IN 46205
317-923-9391
dillonlaw@prodigy.net
stevedillonlaw.com
Chair, NORML Board
of Directors.

KANSAS

Chris Meek

1031 Military Ave.
Baxter Springs, KS 66713
Phone: 620-856-2771
Fax: 620-856-2772
ninsky13@hotmail.com

William (Billy) K. Rork

1321 SW Topeka Blvd.
Topeka, KS 66612-1816
785-235-1650
rork@rorklaw.com
rorklaw.com
Zealous and successful
drug defenses on I-70/I-35
vehicle stops.

Cal Williams

Calvin K. Williams Chtd.
280 N. Court Ave.,
P.O. Box 304
Colby, KS 67701
785-460-9777
calwilliamsesq@hotmail.com
On I-70, western Kansas.

MARYLAND

David E. Kindermann, Esq.

15 West Montgomery Ave,
Suite 300
Rockville, MD 20850
Tel: 301-762-7900 — 24/7
Fax: 301-309-0887
kindermannlaw.com
dave@kindermannlaw.com
Licensed in Maryland, D.C.
and Federal Courts incl. U.S.
Supreme Court.

MASSACHUSETTS

Norman S. Zalkind

Zalkind, Rodriguez,
Lunt & Duncan
65A Atlantic Ave.
Boston, MA 02110
Phone: 617-742-6020
Fax: 617-742-3269
nzalkind@zrld.com

MICHIGAN

Matthew R. Abel

Attorney at Law
2930 E. Jefferson Avenue
Detroit, Michigan 48207
313-446-2235
attorneyabel@riseup.net
cannabiscounsel.com
Lifetime member of NORML
Legal Committee specializing
in cannabis cases and
cannabusiness law.

Jason Barrix

Attorney at Law
Barrix Law Firm PC
2828 Kraft Ave SE, Suite 290
Grand Rapids, MI 49512
Call 24/7 Service
1-877-NO-4-Jail /
1-877-664-5245
Fax: 1-888-337-1308
barrixlaw.com
Criminal Defense Focusing
on Drug, DUI, License
and Injury Cases
"Winning Cases
Statewide since 1993"

Michael A. McInerney, Esq.

Michael A. McInerney, PLC
15 Ionia SW, Suite 510
Grand Rapids, MI 49503
(616) 776-0200 (24 hrs)
mamgrlaw@gmail.com
Defending your rights!
Medical Marijuana Issues
Civil/Criminal Trial Attorney
All Michigan Courts

John Targowski & Daniel Grow

Targowski & Grow, PLLC
141 East Michigan Ave Ste 201
Kalamazoo, MI 49007
(800) 957-1069
targowskigrow.com



**No Cannabis Induced Deaths
-A Safer Alternative**



**Raise Significant
Tax Revenue**



**Regulated Systems
Will Restrict Youth Access**

**Let's be HONEST,
It's Time to Tax & Regulate Marijuana
WWW.NORML.ORG/JOIN**



HIGH TIMES LEGAL DIRECTORY

MISSOURI

K. Louis Caskey

1102 Grand Blvd, Suite 800
Kansas City, MO 64106
Phone: 816-221-9114
Cell Phone: 816-536-1411
Fax: 816-220-0757
klouie711@aol.com
caskeyatlaw.com

Daniel Dodson

315 Marshall Street
Jefferson City, MO 65101
573-636-9200 or
800-DODSON-1
dd@danieldodson.net
danieldodson.net
Board member, NACDL;
Nationwide advice/referrals.

Dan Viets

15 N. 10th St.
Columbia, MO 65201
573-443-6866
danviets@justice.com
Former president of MO
Assoc. of Criminal Defense
Lawyers, NORML Board
Chair.

NEVADA

Scott N. Freeman

'Defender of the Year 2008'
556 California Ave.
Reno, NV 89509-1450
Phone: 775-786-4788
Fax: 775-786-9333
defense@freeman-law.com
freeman-law.com

NEW HAMPSHIRE

Sven Wiberg

Wiberg Law Office
2456 Lafayette Road, Suite 7
Portsmouth, NH, 03801
Phone: 603-686-5454
Fax: 603-457-0332
sven@nhcriminaldefense.com

NEW JERSEY

William H. Buckman

110 Marter Ave, Suite 209
Moorestown, NJ 08057
Phone: 856-608-9797
Fax: 856-608-6244
wbuckman@whbuckman.com
whbuckman.com

Nathan Kittner

131 Main St.
Hackensack, NJ 07601
201-488-5565
vlsgrad@prodigy.net
Criminal defense litigation.

Frank T. Luciano, PC.

147 Main St, Suite #5
Lodi, NJ 07644
Phone: (973) 471-0004
Fax: (973) 471-1244
cdswiz.com

Over 30 years of defending
drug prosecutions. Free book
on drug cases in New Jersey.

Allan Marain

100 Bayard St.
P.O. Box 1030
New Brunswick, NJ 08903
732-828-2020
info@NJMarijuana.com
njmarijuana.com
When pleading guilty is not
an option.

Neal Wiesner

Law Office of Neal Wiesner
1 Maiden Lane, 9th floor
New York, NY 10038
Tel: 212-732-2225
Fax: 718-556-0118
nealwiesner@aol.com
NJ State & Federal Criminal
Defense

NEW MEXICO

David C. Serna Serna Law Offices

725 Lomas Blvd. NW
Albuquerque, NM 87102
505-242-4057
sernalaw.com
Board-certified criminal-
defense specialist. NORML
lawyer since 1985.

NEW YORK

Robert S. Gershon

Law Office of Robert S.
Gershon
142 Joralemon Street, Suite 5A
Brooklyn, NY 11201
718-625-3977
robertgershon.com
rg@robgershon.com
I help good people in bad
situations.

David C. Holland, Esq.

David C. Holland, P.C.
419 Park Avenue South,
16th Floor
New York, NY 10016
212-935-4500
Licensed in NY, NJ & MD.

Neal Wiesner

Law Office of Neal Wiesner
1 Maiden Lane, 9th floor
New York, NY 10038
Tel: 212-732-2225
Fax: 718-556-0118
nealwiesner@aol.com
Federal Practice Only in NY

OHIO

Spiros P. Cocoves

Law Offices of Spiros P.
Cocoves
610 Adams St., 2nd Flr
Toledo, OH 43604-1423
419-241-5506
Fax: 419-242-3442
scocoves@gmail.com
Federal/State Criminal
Defense, OH/MI

OKLAHOMA

M. Michael Arnett

Arnett Law Firm
3133 N.W. 63rd Street

Oklahoma City, OK 73116
Tel: (405) 767-0522
Fax: (405) 767-0529
mikearnett1@juno.com

Chad Moody

217 N Harvey Street, Ste. 409
Oklahoma City, OK 73102
Phone: 405-231-4343
Fax: 405-231-0233
thedruglawyer@
thedruglawyer.com
When a Conviction is Not an
Option

OREGON

John C. Lucy IV

2121 SW Broadway, Suite 130
Portland, OR 97201
Phone: 503-227-6000
Other Phone: 919-720-2513
john@law420.com
law420.com
"Medical Marijuana and Drug
Crime Defense Throughout
Oregon"

PENNSYLVANIA

Simon T. Grill

104 S. Railroad
Myerstown, PA 17067
888-333-6016
STG1300@epix.net
Marijuana defense.

SOUTH CAROLINA

J. Kirk Fisher, Esq.

Cox & Fisher, LLC
115 Broadus Avenue
Greenville, SC 29601
Tel: 864-242-4711
Fax: 864-242-2937
jkirkfisher@bellsouth.net

Robert E. Ianuario, M.B.A., J.D.

Attorney & Counselor
419 Vardry St.
Greenville, SC 29601
Tel (864) 255-9988
Fax (866) 212-3249
sc420attorney.com
Member of Norml Legal
Committee, Member of
National College for DUI
Defense

TEXAS

Jamie "The Dude" Balagia

Offices in Austin and San
Antonio, TX
Board Member
San Antonio NORML
NORML Legal Committee
Former "VICE Cop"—Austin
PD. State and Federal
representation.
drugdude.com
jamie@drugdude.com
San Antonio: 210-394-3833
Austin: 512-278-0935

Law Office of Tonya Rolland

5302 La Branch Street

Houston, Texas 77004
(713) 529-8500 office
(713) 456-2203 fax
rollandlaw.com

Blackburn and Tisdell L.L.P.

718 W 16th St.
Amarillo, TX 79101
Phone: 806-371- 8333
Fax: 806-350- 7716
blackburn@ipoftexas.org
txcriminallawyer@yahoo.com

Greg Gladden

3017 Houston Ave.
Houston, TX 77009-6734
713-880-0333
gladden@airmail.net

Gerald Goldstein

2900 Tower Life Bldg.
San Antonio, TX 78205
210-226-1463
GGandH@aol.com

Michael C. Lowe

Attorney At Law
700 N Pearl Street, Ste 2170
Dallas, Texas 75201
214.526.1900
Toll free: 866.351.1900
Fax: 214.969.0258
dallasjustice.com
Board certified in criminal law
by the Texas board of legal
specialization.

David P. O'Neil

(managing partner)
Habern, O'Neil and
Buckley LLP
PO Box 8930
Huntsville, Texas 77340
1-888-942-2376 toll free
doneil@paroletexas.com
Over thirty years experience
in state and federal courts in
the greater East Texas Area.

Larry Sauer

Law Offices of Larry Sauer
1004 West Ave
Austin, TX 78701
512-479-5017
sauerlaw@wdo-law.com
Criminal defense.

UTAH

J. Robert Latham

Attorney and Counselor
at Law
Rob@RobLatham.pro
Northern Utah:
2180 East 4500 South,
Suite 150
Salt Lake City, Utah 84117
Phone: 801-872-4384
Southern Utah:
Phone: 435-200-4872

WASHINGTON

Jeff Steinborn

3161 Elliot Avenue, Suite 340
Seattle, WA 98121
Tel: 206-622-5117
Fax: 206-622-3848

Pat Stiley

Stiley & Cikutovich
1403 W. Broadway
Spokane, WA 99201
888-440-9001
fudea@earthlink.net
legaljoint.net
If you grew it, we will come.

WASHINGTON D.C.

David E. Kindermann, Esq.

15 West Montgomery Ave,
Suite 300
Rockville, MD 20850
Tel: 301-762-7900 — 24/7
Fax: 301-309-0887
kindermannlaw.com
dave@kindermannlaw.com
Licensed in D.C., Maryland
and Federal Courts incl. U.S.
Supreme Court.

WISCONSIN

Robert J. Dvorak

Halling & Cayo
320 E Buffalo St., Ste. 700
Milwaukee, WI 53202
414-273-0373
rjd@hallincayo.com
Representing the accused
since 1978.

Mark D. Richards S.C.

209 8th Street
Racine, WI 53403
262-632-2200
richardslaw@ameritech.net
richardslaw1.com
Aggressive drug defense.

MARGOLIN & LAWRENCE
ATTORNEYS AT LAW
"DEFENDING YOUR
RIGHTS AND LIBERTIES"
California's Premier Criminal Defense Firm
FORWARD TRIAL LAWYERS
STATE - FEDERAL - JUVENILE COURTS

L.A.'s
Depest Attorney™
Prestige Guide To

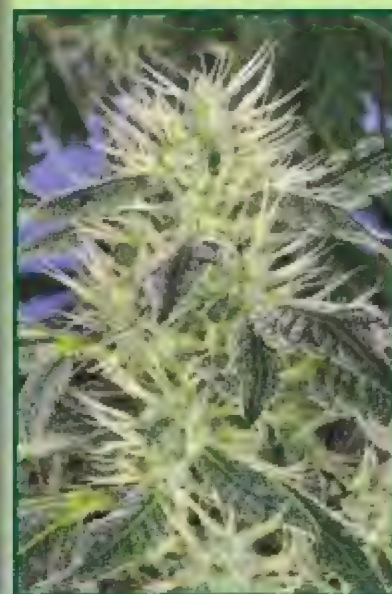
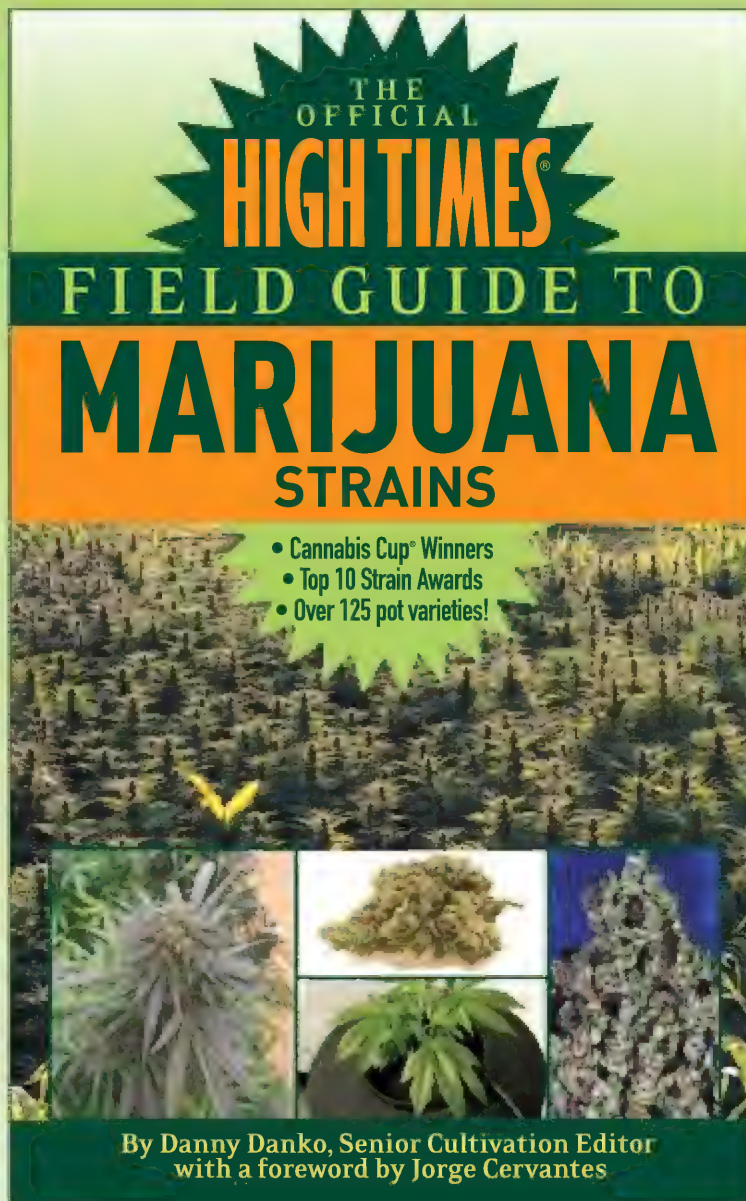
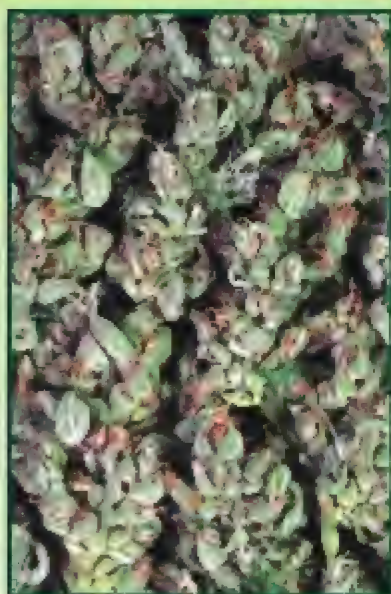
**Medical
Marijuana
STATES**
2012 Edition

(323) 653-9700
NEED HELP?
CALL 24/7

L.A.'s Depest Attorney™
Allison Margolin has been
profiled in the Los Angeles
Times, Wall Street Journal,
Law Blog, L.A. Weekly, and
California Lawyer magazine.

Proud Sponsor of
HIGH TIMES
Legal Marijuana

"In this excellent field guide, Danny's years of experience translate into easy-to-reference information on more than 125 strains, all at the flip of a finger, condensing everything you need to know into an easy-to-read, well-researched, concise package—with great photos too!" —JORGE CERVANTES, AUTHOR OF *MARIJUANA HORTICULTURE: THE INDOOR/OUTDOOR MEDICAL GROWER'S BIBLE*



"If you wish to become more sophisticated about the large number of strains now available, you will be hard-pressed to find a better written and superbly photographed little compendium than this book." —DR. LESTER GRINSPOON



- Cannabis Cup® champions • "Top 10 Strain" award winners
- Over 125 pot varieties described • Cannabis buyer's guide
 - Landrace & heirloom genetics
 - Foreword by Jorge Cervantes

**Available online at
HIGHTIMES.COM/HEADSHOP
or call 1-866-POT-SHOP**



Pot Shots

Show us what you got!

E-mail your hi-res digital photographs to mailbag@hightimes.com or send pictures (no Polaroids) to 419 Park Avenue South, 16th Fl. New York, NY 10016



FLOWER OF THE MONTH

Outdoor Orange Julius

 This was my first legal clone purchase and crop. I packed up my family and moved to NorCal last spring from KY. This California sun and chilly mountain air sure made a difference! I couldn't resist trying to show off my girls. —*Shady D and Roomie*

haight solid state™

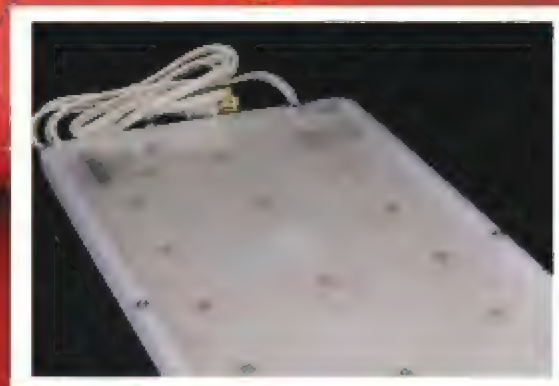
Revolutionary LED Grow Lights

- * 6W DIODES**
- * FULL SPECTRUM**
- * NO FANS**

\$349.99 90W PPF-400R

\$549.99 180W PPF-800R

\$849.99 300W PPF-1600



(415) 752-2160

www.haightsolidstate.com

**See us at Berkeley's Secret Garden
921 University Ave. Berkeley, CA 94710**

Dealzer.com

Call to Order! 888-HYDRO-81 | BBB Accredited Business!



MORTGAGE LIFTER

Grows 120 Pounds of Dried Plant Matter Per Year.

Includes everything you need including 1200w HPS/MH lighting system, a year supply of nutrients, warranty, and free tech support. All you need is water and plants! Soil version also available on request. This system uses Hydro Heart technology.

**Capacity: 35 Plants
Dimensions: 7'H x 8'W x 4'D**

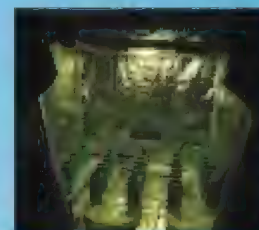
Price: \$2495

Grows 60 Pounds of Dried Plant Matter Per Year.

Includes everything you need including 600w HPS/MH lighting system, a year supply of nutrients, warranty, and free tech support. All you need is water and plants! Soil version also available on request. This system uses Hydro Heart technology.

**Capacity: 19 Plants
Dimensions: 4'D x 4'W x 6.5'T**

Price: \$1750



MINI MORTGAGE LIFTER

Grows 6 Pounds of Dried Plant Matter Per Year.

Includes everything you need including 150w HPS/MH lighting system, a year supply of nutrients, warranty, and free tech support. All you need is water and plants! This system uses Superponics technology.

**Capacity: 8 Plants
Dimensions: 61"H x 14"W x 24"D**

Price: \$1295

Grows 5 Pounds of Dried Plant Matter Per Year.

Includes everything you need including 200w CFL lighting system, a year supply of nutrients, warranty, and free tech support. All you need is water and plants! This system uses Superponics technology.

**Capacity: 12 Plants
Dimensions: 30"H x 18"W x 24"D**

Price: \$795



SUPER BOX




SUPER LOCKER 2.0

Low Power Usage | Low Heat Output | Noise & Scent Suppression | Fully Automated "Plug & Play"
Over 50 Hydroponic Systems & LED Grow Lights to Choose From!
Call to Order! 888-HYDRO-81 or Visit Us Online at www.Dealzer.com

HARVEST OF THE MONTH


Desert High

 All this bud was grown in Barstow California! Even in the high desert, you can grow medicinal cannabis! —Senior Master Cultivator *Dr. Green & Chiludo Inc.*



COLA OF THE MONTH

Organic Green Kush

 Grown in the desert (from the guys above) proving you don't need a forest to grow some trees. Thanks HIGH TIMES! —Senior Master Cultivator *Dr. Green & Chiludo Inc.*

GUTTER CREDIT: XXXXX XXXX

When you want to offer your customers
the very best herbal blends available, turn to

MADDER HATTER HERBAL BLENDS

100% ORGANIC BLENDS

Contact us for a **FREE** sample pack
madderhatter.com

WADNESS
Blueberry
www.madderhatter.com

864-905-6895

Available in 16 different flavors

All of our products are manufactured using only top quality ingredients, proudly manufactured and packaged in the U.S.A.

DIFFUSE OR LOSE!

WORKS WITH ANY WATER PIPE

ROX

GLASS DIFFUSION STONES

- Organically shaped for premium diffusion
- Cleans / filters smoke for smooth hits
- Easy upgrade for any water pipe




FOR MORE INFORMATION
WWW.ROXDIFFUSION.COM

MAKES PULLING OUT EASY!

TOOB LOOB

WATER PIPE LUBRICANT

ALL-NATURAL
NON-TOXIC

- Completely tasteless / odorless
- Creates instant airtight seal
- Prevents stuck joints




FOR MORE INFORMATION
WWW.TOOBLOOB.COM

synche
DISTRIBUTION

GARDEN OF THE MONTH

Fences Make Great Neighbors



Good girls; you did great! —JV



STONER OF THE MONTH

Thunder Funk



This harvest was grown indoors in soil on Kenai Peninsula in Alaska. It's Strawberry Cough, fresh cut and manicured.
—The "Budding Artist"



CLOSE-UP OF THE MONTH

Robo Crop



My second go-round. I think I'm getting a little better at this. Thanks for all the advice and an all-around great magazine! I'm a proud Michigan MMJ grower! —K-Yote

Lighting Kits

All Ballast run on 110V or 220V

Spectrum Dimming Digital Ballast		Spectrum Dimming Digital Ballast		Spectrum Dimming Digital Ballast	
Surfex MH and HPS		Surfex MH and HPS		Surfex MH and HPS	
Wing Reflector, Plantmax Super HPS Bulb, and your choice	only	Wing Reflector, Plantmax Super HPS Bulb, and your choice	only	Wing Reflector, Plantmax Super HPS Bulb, and your choice	only
400W Ballast	\$174.95	400W Ballast	\$199.95	400W Ballast	\$239.95
600W Ballast	\$219.95	600W Ballast	\$259.95	600W Ballast	\$299.95
1000W Ballast	\$399.95	1000W Ballast	\$499.95	1000W Ballast	\$599.95

UltraLoHydro.com



877-499-4769

Reflectors

Don't forget light raunches for \$9.95

Wing 95% Reflective German Aluminium	\$39.95	Dual Lamp Cool Tube 36" Long	\$89.95	6"x24" Cool Tube with Reflector	\$79.95
6" Air Cooled Aluminium Reflector	\$89.95	Spectrum 6" Air Cooled Reflector	\$89.95	8"x24" Cool Tube with Reflector	\$89.95

Digital Ballast

Welthink Digital Ballast

600W	\$134.95
1000W	\$189.95

Our Best Value Digital Ballast

Fluorescent T-5

2' 2bulb	\$69.95
2' 4bulb	\$99.95
4' 4bulb	\$129.95
4' 6bulb	\$179.95
4' 8bulb	\$199.95

More T-5's Online

Dark Rooms

36x36x72	\$199.95
48x48x80	\$229.95
60x60x80	\$359.95

Bulbs

NEW

Plantmax	MH	Eye Hortilux	Super HPS
250W	\$15.95	400W	\$68.95
400W	\$17.95	600W	\$84.95
600W	\$39.95	1000W	\$179.95
1000W	\$39.95		

Trimmers

18" Standup Trimmer	\$469.95
16" Motorized Trimmer	\$459.95
18" ClearTop Trimmer	\$349.95

Fans

ValueLine Fans

4"	\$82.95	10"	\$194.95
6"	\$99.95	12"	\$199.95
8"	\$128.95		

Bulbs

NEW

Plantmax	MH	Eye Hortilux	Super HPS
250W	\$15.95	400W	\$68.95
400W	\$17.95	600W	\$84.95
600W	\$39.95	1000W	\$179.95
1000W	\$39.95		

Trimmers

18" Standup Trimmer	\$469.95
16" Motorized Trimmer	\$459.95
18" ClearTop Trimmer	\$349.95

Fans

ValueLine Fans

4"	\$82.95	10"	\$194.95
6"	\$99.95	12"	\$199.95
8"	\$128.95		

Bulbs

NEW

Plantmax	MH	Eye Hortilux	Super HPS
250W	\$15.95	400W	\$68.95
400W	\$17.95	600W	\$84.95
600W	\$39.95	1000W	\$179.95
1000W	\$39.95		

Trimmers

18" Standup Trimmer	\$469.95
16" Motorized Trimmer	\$459.95
18" ClearTop Trimmer	\$349.95

Fans

ValueLine Fans

4"	\$82.95	10"	\$194.95
6"	\$99.95	12"	\$199.95
8"	\$128.95		

Bulbs

NEW

Plantmax	MH	Eye Hortilux	Super HPS
250W	\$15.95	400W	\$68.95
400W	\$17.95	600W	\$84.95
600W	\$39.95	1000W	\$179.95
1000W	\$39.95		

Trimmers

18" Standup Trimmer	\$469.95
16" Motorized Trimmer	\$459.95
18" ClearTop Trimmer	\$349.95

Fans

ValueLine Fans

4"	\$82.95	10"	\$194.95
6"	\$99.95	12"	\$199.95
8"	\$128.95		

Bulbs

NEW

Plantmax	MH	Eye Hortilux	Super HPS
250W	\$15.95	400W	\$68.95
400W	\$17.95	600W	\$84.95
600W	\$39.95	1000W	\$179.95
1000W	\$39.95		

Trimmers

18" Standup Trimmer	\$469.95
16" Motorized Trimmer	\$459.95
18" ClearTop Trimmer	\$349.95

Fans

ValueLine Fans

4"	\$82.95	10"	\$194.95
6"	\$99.95	12"	\$199.95
8"	\$128.95		

Bulbs

NEW

Plantmax	MH	Eye Hortilux	Super HPS
250W	\$15.95	400W	\$68.95
400W	\$17.95	600W	\$84.95
600W	\$39.95	1000W	\$179.95
1000W	\$39.95		

Trimmers

18" Standup Trimmer	\$469.95
16" Motorized Trimmer	\$459.95
18" ClearTop Trimmer	\$349.95

Fans

ValueLine Fans

4"	\$82.95	10"	\$194.95
6"	\$99.95	12"	\$199.95
8"	\$128.95		

Bulbs

NEW

Plantmax	MH	Eye Hortilux	Super HPS
250W	\$15.95	400W	\$68.95
400W	\$17.95	600W	\$84.95
600W	\$39.95	1000W	\$179.95
1000W	\$39.95		

Trimmers

18" Standup Trimmer	\$469.95
16" Motorized Trimmer	\$459.95
18" ClearTop Trimmer	\$349.95

Fans

ValueLine Fans

4"	\$82.95	10"	\$194.95
6"	\$99.95	12"	\$199.95
8"	\$128.95		

Bulbs

NEW

Plantmax	MH	Eye Hortilux	Super HPS
250W	\$15.95	400W	\$68.95
400W	\$17.95	600W	\$84.95
600W	\$39.95	1000W	\$179.95
1000W	\$39.95		

Trimmers

18" Standup Trimmer	\$469.95
16" Motorized Trimmer	\$459.95
18" ClearTop Trimmer	\$349.95

Fans

ValueLine Fans

4"	\$82.95	10"	\$194.95
6"	\$99.95	12"	\$199.95
8"	\$128.95		

Bulbs

NEW

Plantmax	MH	Eye Hortilux	Super HPS
250W	\$15.95	400W	\$68.95
400W	\$17.95	600W	\$84.95
600W	\$39.95	1000W	\$179.95
1000W	\$39.95		

Trimmers

18" Standup Trimmer	\$469.95
16" Motorized Trimmer	\$459.95
18" ClearTop Trimmer	\$349.95

Fans

ValueLine Fans

4"	\$82.95	10"	\$194.95
6"	\$99.95	12"	\$199.95
8"	\$128.95		

Bulbs

NEW

Plantmax	MH	Eye Hortilux	Super HPS
250W	\$15.95	400W	\$68.95
400W	\$17.95	600W	\$84.95
600W	\$39.95	1000W	\$179.95
1000W	\$39.95		

Trimmers

18" Standup Trimmer	\$469.95
16" Motorized Trimmer	\$459.95
18" ClearTop Trimmer	\$349.95

Fans

ValueLine Fans

4"	\$82.95	10"	\$194.95
6"	\$99.95	12"	\$199.95
8"	\$128.95		

Bulbs

NEW

Plantmax	MH	Eye Hortilux	Super HPS
250W	\$15.95	400W	\$68.95
400W	\$17.95	600W	\$84.95
600W	\$39.95	1000W	\$179.95
1000W	\$39.95		

Trimmers

18" Standup Trimmer	\$469.95
16" Motorized Trimmer	\$459.95
18" ClearTop Trimmer	\$349.95

Fans

ValueLine Fans

4"	\$82.95	10"	\$194.95
6"	\$99.95	12"	\$199.95
8"	\$128.95		

Bulbs

NEW

Plantmax	MH	Eye Hortilux	Super HPS
250W	\$15.95	400W	\$68.95
400W	\$17.95	600W	\$84.95
600W	\$39.95	1000W	\$179.95
1000W	\$39.95		

Trimmers

18" Standup Trimmer	\$469.95
16" Motorized Trimmer	\$459.95
18" ClearTop Trimmer	\$349.95

Fans

ValueLine Fans

4"	\$82.95	10"	\$194.95
6"	\$99.95	12"	\$199.95
8"	\$128.95		

Bulbs

NEW

Plantmax	MH	Eye Hortilux	Super HPS
250W	\$15.95	400W	\$68.95
400W	\$17.95	600W	\$84.95
600W	\$39.95	1000W	\$179.95
1000W	\$39.95		

Trimmers

18" Standup Trimmer	\$469.95
16" Motorized Trimmer	\$459.95
18" ClearTop Trimmer	\$349.95

Fans

ValueLine Fans

4"	\$82.95	10"	\$194.95
6"	\$99.95	12"	\$199.95
8"	\$128.95		

Bulbs

NEW

Plantmax	MH	Eye Hortilux	Super HPS
250W	\$15.95	400W	\$68.95
400W	\$17.95	600W	\$84.95
600W	\$39.95	1000W	\$179.95
1000W	\$39.95		

Trimmers

18" Standup Trimmer	\$469.95
16" Motorized Trimmer	\$459.95
18" ClearTop Trimmer	\$349.95

Fans

ValueLine Fans

4"	\$82.95	10"	\$194.95
6"	\$99.95	12"	\$199.95
8"	\$128.95		

Bulbs

NEW

Plantmax	MH	Eye Hortilux	Super HPS
250W	\$15.95	400W	\$68.95
400W	\$17.95	600W	\$84.95
600W	\$39.95	1000W	\$179.95
1000W	\$39.95		

Trimmers

18" Standup Trimmer	\$469.95
16" Motorized Trimmer	\$459.95
18" ClearTop Trimmer	\$349.95

Fans

ValueLine Fans

4"	\$82.95	10"	\$194.95
6"	\$99.95	12"	\$199.95
8"	\$128.95		

Bulbs

NEW

Plantmax	MH	Eye Hortilux	Super HPS
250W	\$15.95	400W	\$68.95
400W	\$17.95	600W	\$84.95
600W	\$39.95	1000W	\$179.95
1000W	\$39.95		

Trimmers

18" Standup Trimmer	\$469.95
16" Motorized Trimmer	\$459.95
18" ClearTop Trimmer	\$349.95

Fans

ValueLine Fans

4"	\$82.95	10"	\$194.95
6"	\$99.95	12"	\$199.95
8"	\$128.95		

Bulbs

NEW

Plantmax	MH	Eye Hortilux	Super HPS
250W	\$15.95	400W	\$68.95
400W	\$17.95	600W	\$84.95
600W	\$39.95	1000W	\$179.95
1000W	\$39.95		

Trimmers

18" Standup Trimmer	\$469.95
16" Motorized Trimmer	\$459.95
18" ClearTop Trimmer	\$349.95

Fans

ValueLine Fans

4"	\$82.95	10"	\$194.95
6"	\$99.95	12"	\$199.95
8"	\$128.95		

Bulbs

NEW

Plantmax	MH	Eye Hortilux	Super HPS
250W	\$15.95	400W	\$68.95
400W	\$17.95	600W	\$84.95
600W	\$39.95	1000W	\$179.95
1000W	\$39.95		

**On Sale
February
14th**
Don't Miss It!

April 2012

HIGH TIMES



The 24th Annual Cannabis Cup In Amsterdam!

Check out the high-flying scene at our most recent blowout. See the sensational strains of Holland, meet the international melting pot of melted judges, hear the music of the Cup and heed the message trumpeted to the world: "Marijuana is a miracle!"

Senior editor Bobby Black covers a week that featured all kinds of surprises (good and bad); senior cultivation editor Danny Danko reviews the Cup champions; and Cup founder Steven Hager gets down with the Brotherhood of Eternal Love.

► A Private Cup For Snoop & Wiz

Hip-hop's top doggs sample the premier strains at the Cup and select their own winner. Sordid-affairs editor Chris Simunek leads a smoke-filled sesh with these two stellar stoners.

► Business Is Booming

Managing editor Jen Bernstein showcases the high-quality products from the top canna-businesses at the Cannabis Cup expo.

► High In The Hinterlands

Executive editor Dan Skye takes a trip to the *extremely* green Upper Peninsula of Michigan.

► Rudd & Bud

Actor Paul Rudd drops by to talk about his portfolio of big-screen stoner roles.

► Medical Problem

Think medical marijuana will lead the way to full-blown freedom for weed? Not so fast, says "Radical" Russ Belville: Medical pot may actually be interfering with legalization efforts.

Revolutionary WATERPIPE

- 3 Chamber Equivalent (upgradable)
- Never Clogs
- DISHWASHER Safe!!
- Cyclone Ash Filter
- Spring-Loaded Clearing Valve
- Never-Too-Hot to Touch Bowl!
- Withstands 8ft Drop!!

JETWATERPIPES.COM

LA CONTAINER Medical Marijuana Containers

SQUEEZE TOPS
BOTTLES/JARS
RX BAGS/LABELS
CONES & MORE

USE CODE MTMA FOR 10% OFF!
potcontainers.com

Trusted
Since
1996

*Where the experts
(and even some breeders)
get their seeds...
but will never tell you.*

DR. GREENTHUMB SEEDS

747

Big Laughing

Big Purps

Bubba Kush

Bubba OG

Chemdawg

Chemdawg G-13

Chumaluma

Cindy 99

Columbian Skies

Endless Sky

Fire Hydrant

G13

Iranian Autoflower

Iranian G13

Niagara X Shiva

OG Kush

OhZone

Sour Diesel

The Dope

Trainwreck

U.K. Cheese

for a catalog and a
\$10 off coupon, send \$5 to:

RWJ GENTECH INC.

box 37085, Ottawa, Ontario,
K1V 0W9 Canada

Info/Ordering Desk: 1 (613) 330-2404

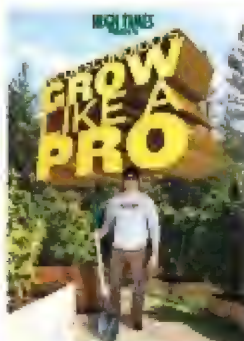
www.drgreenthumb.com

ACQUISITION OF LIVE CANNABIS SEEDS IS ILLEGAL IN THE UNITED STATES
PAYABLE IN US DOLLARS FROM ANYWHERE IN THE WORLD

Featured Products



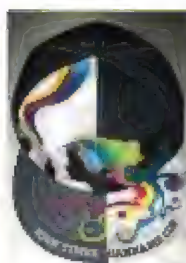
2012 Ultimate Grow Calendar
High Times is proud to offer the Ultimate Grow Calendar. Packed with monthly summaries and daily grow tips, this calendar aims to keep you on track, whether you're growing indoors or outside. **\$13.99**



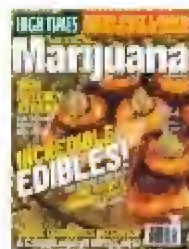
HIGH TIMES Presents Nico Escondido's Grow Like a Pro DVD
Featuring over two hours of comprehensive cultivation coverage and bonus material, this HD-film features footage of America's top medical grow facilities, indoor and outdoor-growing and greenhouse techniques. **\$19.95**



Official HIGH TIMES Bonghitters Jersey
Show your pot pride by sporting the same shirts worn by the legendary High Times Bonghitters Softball team. Sizes: S-XXL. **\$19.95**



HIGH TIMES Cannabis Cup Caps
24th Cannabis Cup, 2011 Denver & San Francisco Medical Cannabis Cups. Made by Grassroots California. **\$30**

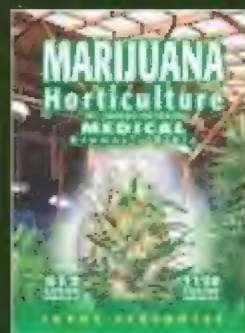


Back Issues of HIGH TIMES
Lots of issues available! HIGH TIMES: **\$5.99**; Best Of HIGH TIMES: **\$6.99**; HIGH TIMES: Medical Marijuana: **\$5.99**

Classics from master grower Jorge Cervantes



Ultimate Grow DVD Complete Box Set
Three-disc DVD box set includes Ultimate Grow: Indoor Marijuana Horticulture, and Ultimate Grow 2: Hydroponic Cannabis Indoors & Organic Marijuana Outdoors. Plus a full disc of bonus features! **\$49.95**



Marijuana Horticulture
The Fifth Edition of Jorge Cervantes' best-selling book, completely rewritten, updated and expanded! **\$29.95**



Marijuana Grow Basics
This informative guide is packed with illustrations and photos of more than 150 affordable marijuana grow setups. **\$21.95**

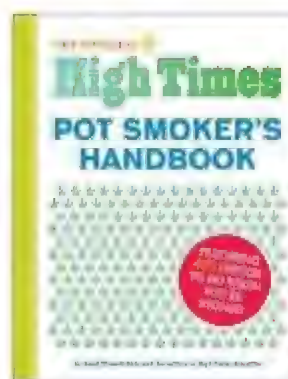
High Times Books



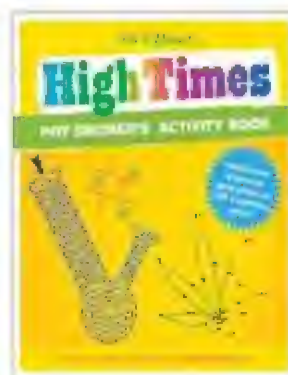
The Official HIGH TIMES Field Guide to Marijuana Strains
By Danny Danko
This compendium covers the world's top pot varieties—all meticulously researched and lovingly described in terms ranging from odors and flavors to potency levels and medicinal properties. **\$14.95**



MarijuanaLand: Dispatches From An American War
By Jonah Raskin
Part history, part counter-culture mythology, this informative and entertaining stoner memoir provides readers with a backstage pass to the world of cannabis. From the Emerald Triangle to Prop 19, MarijuanaLand offers a compelling, eye-opening look at the war on drugs. **\$12.95**



The Official HIGH TIMES Pot Smoker's Handbook
by David Bienenstock
This handbook rolls up all of our collected wisdom into one indispensable ganja guide. With a life-changing list of 420 things to do when you're stoned, this is truly the ultimate guide to green living. **\$19.95**



The Official HIGH TIMES Pot Smoker's Activity Book
by Natasha Lewin
Now you can smoke, play, laugh and learn all at the same time! Packed with puzzles, games, mazes, jokes, how-tos and why-nots, plus kilos and kilos more! It's what to do when you're stoned! **\$16.95**



HIGH TIMES Presents Hi-Yield Homemade Hydroponics Revised Edition
Our best-selling grow book, now updated with organic-hydro how-to information. **\$9.95**



TASTY PUFF

AVAILABLE IN 29
TASTY PUFFIN FLAVORS!™
Introducing
3 NEW flavors!

**Powerplant
Pomegranate**

**Sinful
Cinnamon**



Sweet Leaf

Just a few drops flavors anything!

Can be used with: Pipe tobacco, Cigars
Favorite legal herbs, Blunt wraps, Water pipe water
Hookahs, Vaporizers, E-Cigarettes

\$25 for 6 bottles

1 OZ Spray now available in 16 flavors

www.tastypuff.com

MERCHANDISE

ICE-O-LATOR & POLLINATOR
For the original sieve systems
Used by HT cup winners
Pollinator Company www.pollinator.nl
Tel 003120 4708889 Fax 003120 4715242

www.RealKava.com
4:30 Kava Time

PHANTOM VIDEO
UNCUT Horror, Slaze, cult & exploitation imports, 100s of rare, infamous & bizarre films on VHS/DVD. Psychedelic: 66M, B&D, fetish & fantasy films. Send \$4.00 for updated catalog to: PHANTOM VIDEO, P.O. Box 7301, Dept. 5, Jupiter, FL 33468

Stimulants

357-Magnums \$19.99 Yellow Jacked \$21.99 Black Magic \$9.99 Detox Diet Herbs Sleep Aids Vitamins Order On Line from MegaLowSales.com

MarijuanaDomainNamesForSale.com

Geographic Marijuana Hydroponic Domains BerkeleyHydroponics.com DallasMarijuana.com Hundreds more! Jeff@WholesaleNames.com

Pureorganichoneyoilbible.com

Connoisseur honey oil secrets revealed. Send \$10 mo. to Great Grandpappy Abrams, 3883 Bennett Rd., Suite 5, Cincinnati, Ohio 45245

Experience Salvia

A variety of brands and potent extracts. We also carry herbal incense blends Spirit and Puff. Low Prices. Call 219-588-4204.

Metal Tobacco Pipes

Assorted designs. Send SASE to Behind The Lite, 7304 Carroll Avenue #124, Takoma Park, MD 20912

Herbalsmokeshop.com

100% Legal Bud. Mood enhancement pills and aphrodisiacs. Flavored papers, blunt wraps, huge online smoke shop.

Got Lighters?

Custom Imprinted Lighters & More! LogoLighters.com/promo. 800-828-6020

www.fsbookco.com

Marijuana Books & DVD's Wholesale and Retail Since 1985! 916-771-4203

GROW AIDS

CannabisWormTea.com

Grow monster plants organically. Indoor garden Winter Sale!

Utah Devil Dirt

Goat and Sheep manure composted naturally over many years. 801-550-0643. Ask for the Horseshoer.

Experienced Indoor Horticulturalist

For Sale ultimate luxury growing area. Newly remodeled 3 bed 2 bath home on 1/3 acre irrigated, lush landscape. With 800 sq ft heated air-conditioned workshop. Secure entrance, gated. Previous production shop. 9'x8'x25' hidden safe room with bank vault door. Fire and theft proof. Phoenix, AZ

Hydroponics

Complete 9 Plant system \$190.00. Adjustable size from closet to filling bedroom. (817) 573-5220. turbofarms.com

Avoid Grow Room Detection

Heat Bloom Eliminator. Field Guide \$19.95. (863) 969-6930

REAL ESTATE

HUGE POTENTIAL

10-acre ranch 15 miles east of Redding, California. 90'x50x16 high. insulated shop e/z to convert to multi level. 24'x30' shop with grow roof (high yield). Newer 3x manufactured home w/2 car garage & swimming pool. Two 12'x16' out buildings both have power and water. Newer mid-size tractor w/implements w/ asking price of 500,000 owner can carry some. Lease possible. goot44@gmail.com

Three "215" properties

(2) 1.5 hrs North LA, (1) 42 acres No. CA. Details: nicksal215@gmail.com. Can finance. (661) 765-2603.

Negril Jamaica Villa For Sale

Beautiful, \$750,000 US. 575-613-2533.

Isolated Farm

1.5 ac, trees, 4-br house, aviary steel building, 20'x13', large pool enclosed, 10' encl. chicken coop, Business opportunity. \$165,000. 239-543-2389. SWFla.

Business Opportunity!

2.5-acre working hydroponic veggie farm with 50,000 sq. ft. of greenhouses, packing house & equipment. Two-story house with 4 bedrooms, 2 baths.

California Land 4 Sale - Sierra Foothills

4/20 acre parcels near I-80 w/wells private. Starting 300k each. Owner financed. (530) 389-2345.

Awesome Mississippi River Tract

Arkansas Duck Deer Clubs on Navigable Rivers wildlifeproperties.com 501-278-1865

Nevada Private 4.77 Acres

3 Bedroom Home. New Quonset Hut 30'x40'. Concealed Underground Growroom. All Equipment Needed. Close to Reno. 775-315-7431

Colorado 5-Acre \$29,000

Must sell/ very private, off grid. Minutes to air field, lake, town. Spectacular mtn views. 808-652 2159.

2-Acre Herb Farm

1 hr from Las Vegas. Well. generator. orchard. Large Home/Garage. \$175,000 (702) 723-1275

For Sale By Owner

Big Island of Hawaii - Puna District One of the most fertile and productive growing areas in the US. Lush and green, easy access. NO CREDIT CHECK - NO QUALIFYING. Call toll-free (800)715-5263. myeranch.com

FINANCIAL

www.MarijuanaMisc.com

For sale \$5,000 through Escrow.com. Dale@BrokersofInsurance.com

Make \$20,000+ Per Month

Ground floor opportunity. Distribute revolutionary new High Potent Herb Pills to Head Shops, Music, Body Piercing, Tattoo, Adult stores, etc. Areas going fast. \$1,000 minimum investment. theherbconnect.com

Easy Work! Excellent Pay!

Assemble Products From Home. For Free Information Send SASE: Home Assembly-HT, Box 450, New Britain, CT 06050-0450

Do you have old Debts?

Never Pay Back The Full Amount!!! 1-800-808-5205 globaldebttinc.com

Credit Problems?

24-hr recorded message. Call 248-262-6818. Ad#155

TRAVEL

ROAD TRIP

We're looking for 18-25 adventurous adults to work / travel entire US. We offer 4 weeks paid training. Cash plus bonuses daily. No experience necessary. If you are enthusiastic and free to travel call 1-800-949-1038.

ACTIVISM

Citizens Justice Association

Abused by bad judges, lawyers and cops? Don't like the war on drugs? You'll like the Citizens Justice Association. We train people to challenge legal and government abuse. Free Info: Citizens Justice Association, Box 390979, Cambridge, MA 02139

NASTY GIRLS!
No Connect Fee
HARDCORE LIVE 1-ON-1
1-800 572-8999

REAL LOCAL GIRLS!
Wanna Get Naughty With You Right Now!!!
Try It FREE!
1-800-870-9333

HORNY LOCAL GIRLS!
OVER 10,000 REAL LOCAL GIRLS CALL DAILY!
TRY IT FREE!
1-800-953-WEED
1-800-226-9966

HOT 25¢ SEX ACTION
1-800 970-6669



Check out the
Wo/Men's Alliance for Medical Marijuana
wamm.org

- Often imitated, but never duplicated!
- WAMM is California's first medical marijuana collective
- Compassionate care within a supportive community
- Accepting new members NOW!
- Find WAMM on Facebook

Call 831.425.0580 for more info, or write at
309 Cedar St. #39, Santa Cruz, CA. 95060

Are
You
a
Weirdo?

Live
Interactive
Internet
Television
www.Weirdos.TV
1-800-WEIRDOS

Grow Your Own...?
That's Easy, Buy A
PIG[®]

www.personalindoorgarden.com

NATURE
Dragon Juice
CONCENTRATE MIX
Organic Plant
Spray Conditioner
303-912-2013
DragonJuice.org
COLORADO'S BEST!

Extremely
Effective
Fertilizer

Amazing
Results

100%
Guarantee

1 Gallon
\$29.00

**ORDER
TODAY!**

**CLONEMASTER AND
BUD GROWER**

*Clones *Grows *Flower Buds

ALL-IN-ONE - ALL YOU NEED
MOST AFFORDABLE \$99.00
WWW.CLONEMASTERANDBUDGROWER.COM
(949-510-8375)

SHIPPING AND HANDLING FEES VARY BY LOCATION
CLONEMASTER PLUGS ARE DARK BROWN, 2.5 INCHES

NEW WORLD SEEDS

WORLD CLASS MARIJUANA SEEDS
P.O. BOX 3154 • THUNDER CITY, MI 49684
"Responsible for creating legendary strains worldwide"
HIGH TIMES' Medical Cannabis Cup Winner

SIMPLE - AFFORDABLE - RESULTS

53 Cloning Sites
\$159.99 + S & H
www.groclone.com
OR (916)391-9500

Send cash, check or money orders to:
D & K Enterprises 8250 Calvine Road,
Suite C. #28B, Sacramento, Ca 95828

**The
GROW
BUCKET**

• Just add soil and seed
• Plant, plug in and grow
• 14" grow space
• Economical
• Made in the USA

\$199.00
+ SHIPPING

www.thegrowbucket.com

Lawyers who roll the right way.SM

**CANNABIS
COUNSEL**

2930 E. Jefferson Ave • Detroit, MI 48207
Tel: 313-446-2235 • Fax: 313-784-9327
info@cannabiscounsel.com

The POT40



Submit your ideas by email to: pot40@hightimes.com

1 Brooklyn's #1 Regressive Rock Act! **MIGHTY HIGH**

2 Grandpoohbah **GLOBENSTEIN**

3 **Stem** AND HIS NEW STONER RAP LP, "WASH DIARIES"

4 Gettin' high 19

5 Hello, how high are you?

6 **THE STONER ARMY**

7 **Rob Cantrell** Keep On The Grass

8 **BAD 420** Twice as Good

9 **Legalize It!** To some people it's a religion. To others it's a lifestyle.

10 **Lucy Lu Dee Roo** A GREAT AMERICAN DOG

11 **heyHolland!** Nobody visits for the coffee you assholes!

12 **HATE** IS OBSOLETE... **STUPID** IS FOREVER! -END Right trash- **VOTE 2012**

13 **JUGGER** junction against government gagging & enviable recreation for love on making millions of millions

14 **GOOFING OFF** in COMPUTER CLASS

15 **CANNABIS as MEDICINE** is the cure for our diseased economy <http://yearoftruth.com/IAMBIOXIZON-1620PR.pdf> THANK YOU FEDERAL GOVERNMENT! **CANNABIS BRINGS JOBS!**

16 17 **Wink** legalization makes waves. It's like acting as if nicotine and alcohol are safe? Jig bos

18 **THANKS FOR THE MEMORIES** 1980-1990

19 **Legalize The Bags** Only 93 do you

20 **HEY! Wall Street.** Ever heard of the French Revolution?

21 **MIND YOUR OWN BUSINESS**

22 **To Hell** with Pot Brownies. **MARIJUANA-IMPUSED WINE** Is where it's at: <http://bit.ly/mxkvp>

23 **J & B** Blended Scotch Whiskey Sip. Don't gulp.

24 A hit from the bong Anxiety's gone. A hit from the spirit, I can get stiffer!

25 Democrats like to spend other people's money... Republicans like to spend other people's lives!

26 **PUMPING IRON**

27 **OCCUPY WALL STREET**

28 **A JOINT** and a CUP of coffee

29 **FOUR LOCS... GULP**

30 **KARATE** THE 2nd GREATEST STRESS RELIEF KNOWN TO MAN!!

31 **KARATE**

32 **THE GREEN BARON**

33 34 **QUAITE SUPERBURE** **ZIG ZAG** 1.0 PAPERS BECAUSE YOU'RE ALL GROWN UP, NOW

35 **BI SEX U ALITY**

36 **NY GO YANKS!** #42 ATHEISTS FOR RIVERS #42 A God You Can Believe In?

37 **POT SMOKING** It's not the Counterculture. It's the Culture

38 **Will work for weed** ~Denny Owens

39 **Haiku:** The sweet taste of KUSH. When smoked opens up the mind. To a state of Bliss!

40 **If it's Worth playing... it's WORTH PLAYING LOUD!!!**

41 **Legalize It!** To some people it's a religion. To others it's a lifestyle.

42 **Legalize It!** To some people it's a religion. To others it's a lifestyle.

43 **Legalize It!** To some people it's a religion. To others it's a lifestyle.

44 **Legalize It!** To some people it's a religion. To others it's a lifestyle.

45 **Legalize It!** To some people it's a religion. To others it's a lifestyle.

46 **Legalize It!** To some people it's a religion. To others it's a lifestyle.

47 **Legalize It!** To some people it's a religion. To others it's a lifestyle.

48 **Legalize It!** To some people it's a religion. To others it's a lifestyle.

49 **Legalize It!** To some people it's a religion. To others it's a lifestyle.

50 **Legalize It!** To some people it's a religion. To others it's a lifestyle.

What would you like to see on the Pot 40? Write your ideas on this ballot and mail to:

HIGH TIMES
Pot 40 - 16th Floor
419 Park Avenue South
New York City, NY 10016

HIGH TIMES

PRESENTS



HOLLYWOOD

MEDICAL CANNABIS CUP™

Los Angeles, February 11-12

L.A. Center Studios, 1201 West 5th Street, Los Angeles, CA

Competition ✿ Seminars ✿ Expo ✿ Activism ✿ Music & Parties!

Saturday night VIP party featuring musical performances to be announced!

For tickets, visit medcancup.com

SEED LIST

PRICES PER 12-SEED PACK

INDOOR/OUTDOOR

BC GOD BUD - \$90

THE PURPS - \$90

THE BLACK - \$75

BC MANGO - \$75

SWEET GOD - \$75

BC BLUEBERRY - \$75

THE BIG - \$75

BC SWEET TOOTH - \$75

BC CHEESE - \$75

707 HEADBAND - \$75

LEMON OG 18 - \$75

BC HASH PLANT - \$75

BLUE BUDDHA - \$75

JACK HERER - \$75

NORTHERN LIGHTS - \$75

TRULY FRUITY - \$75

BC KUSH - \$60

BC HELL BUSH - \$60

PURPLE BUDDHA - \$60

INDOOR

AMNESIA HAZE - \$75

BC CHRONIC - \$75

UBC CHEMO - \$75

WHITE WIDOW - \$75

ALBINO RHINO - \$60

BC BIG BUD - \$60

BURMESE - \$60

WILLIAMS WONDER - \$60

INDOOR MIX - \$50

OUTDOOR

TEXADA TIMEWARP - \$75

BC PINEWARP - \$75

SWEET ISLAND SKUNK - \$60

OUTDOOR MIX - \$50

FEMINIZED

BC GOD BUD - \$150

THE PURPS - \$150

ORIGINAL BLUEBERRY - \$150

BC HASH PLANT - \$125

JACK HERER - \$125

SKUNK #1 X NL - \$125

SWEET DREAMS - \$125

CINDERELLA 99 - \$125

STRAWBERRY COUGH - \$125

SWEET DREAMS - \$125

AUTO FLOWERING

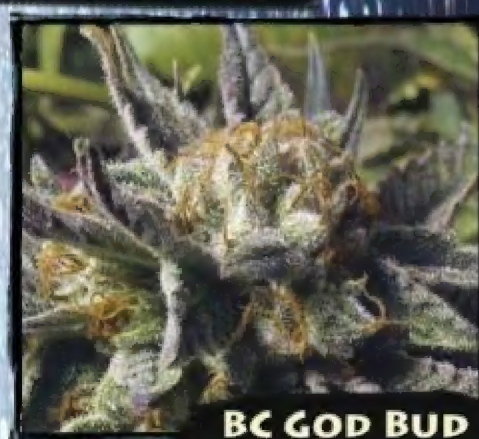
LOWRYDER #2 - \$90

LOWRYDER #2 - \$60

BC BUD DEPOT HALL OF CHAMPIONS



THE PURPS



BC GOD BUD



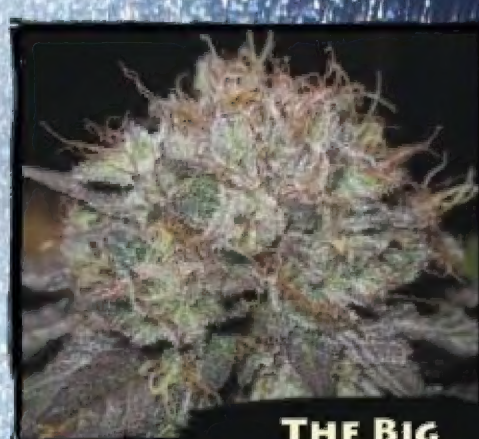
BC MANGO



THE BLACK



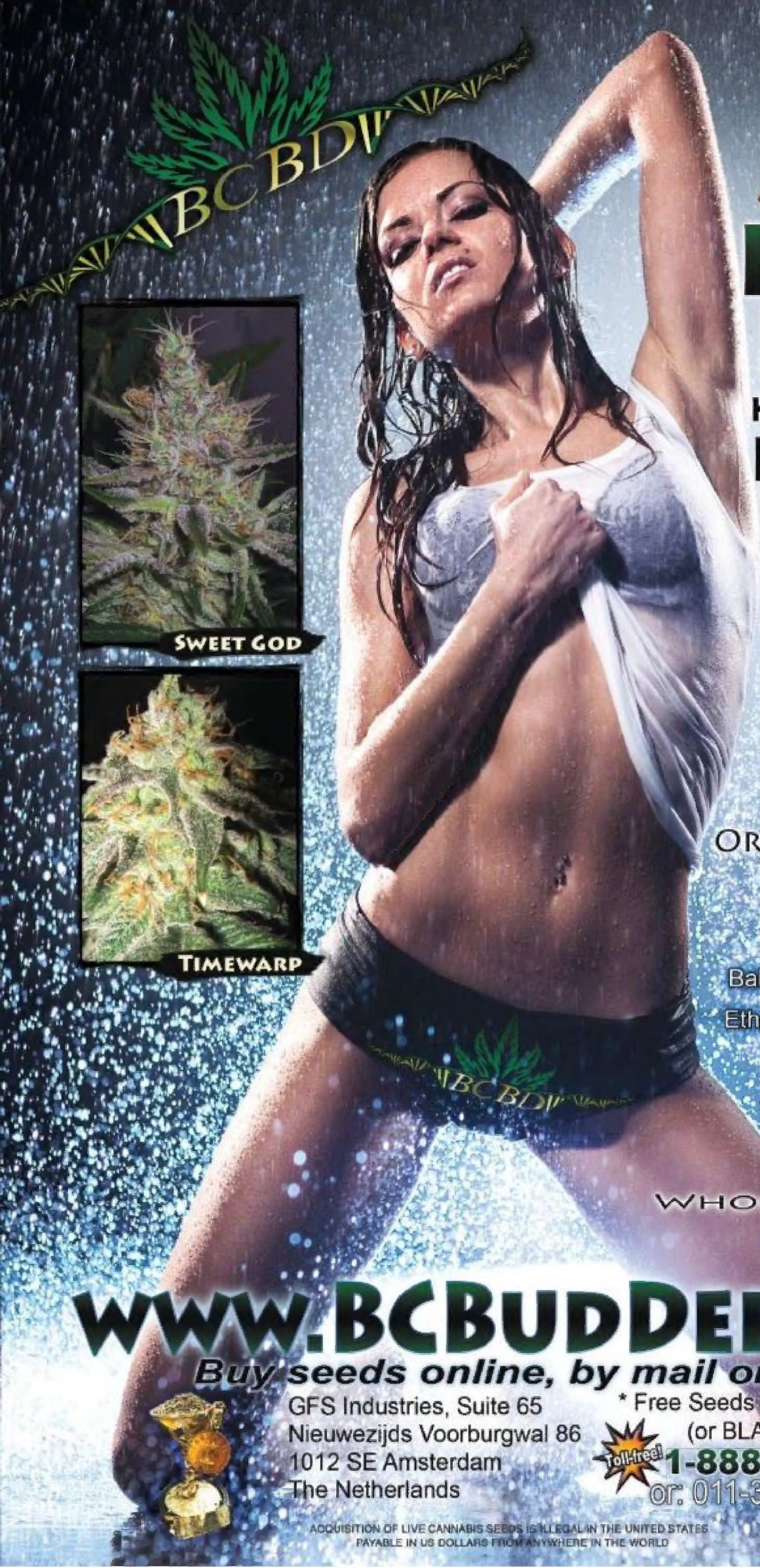
BC BLUEBERRY



THE BIG



WWW.BCBUDDEPOT.COM



**WHY ARE WE
SO EXCITED?**

BC BUD DEPOT

HAS WON ANOTHER TITLE:
BC GOD BUD
NAMED WORLD'S BEST
MEDICINE AT 2011
PRAIRIE MEDICINAL CUP

SEEDS AVAILABLE ONLINE

OR VISIT A DISPENSARY:

Greenhouse Caregivers
Long Beach, CA

OC Wellness - Anaheim, CA

Balboa Care Givers - Van Nuys, CA

Ethnobotanica Patients Cooperative
Santa Cruz, CA

New Harvest Collective
Los Angeles, CA

Peoples' Medicinal Cooperative
Corona, CA

WHOLESALE ENQUIRIES:

wholesale@bcbuddepot.com

WWW.BCBUDDEPOT.COM

Buy seeds online, by mail or by phone:

GFS Industries, Suite 65
Nieuwezijds Voorburgwal 86
1012 SE Amsterdam
The Netherlands

* Free Seeds to all Cash Orders!
(or BLANK money orders)



1-888-40-BCBUD

or: 011-31-64-465-3362



ACQUISITION OF LIVE CANNABIS SEEDS IS ILLEGAL IN THE UNITED STATES
PAYABLE IN US DOLLARS FROM ANYWHERE IN THE WORLD

SMOG-OUT™

ODOR NEUTRALIZER



- **KILLS ODORS**
- **OVER 800 SPRAYS**
- **INSTANT RESULTS**

BUY ONE TODAY!
www.ItsAlways420.com

FOR FREE SHIPPING IN THE USA
ENTER CODE: SOHT12
www.Formula420.com



Wholesale Only: 1-877-727-3420